

Datasheet for ABIN4946148

## Human C2orf71 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	C2orf71
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

### Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human C2orf71 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	3867 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGGGTGTA CACCTTCACA CAGTGACCTT GTAACAGCG TTGCAAAGAG TGGCATTTCAG TTCTTGAAAA AGCCCAAAGC AATTCGGCCA GGATGTCAGG GCGGAAGTGA AAGAGGTTCC ATCCCTTTGC TGGTTAAAAA CTCCACCTGC TATGACGCTG GGGAGGGCCT GGCAGAGGAG CAGCCAAGTC CCAGGAGGAA CCAAACCACA GCTAAAGGTC TTTGTCAGCT CATGGGAGAT CCTGCTTCAG GCAAAAGGAA AGATATGGAA GGA CTGATCC CAGGAACCAA AACCTCTTCA

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TCCCAGCTGA ACAAATCACA AAGCCACATG GCTAAGGATA TTCCGTTCAA GACACAGGGT  
TCCCATGGAT CACAAGGGGC AGACTTTTCT GGAGATGAGA GTGAGGAAAG TAGTACCCAA  
GATACTTCCA AATGGAAAAG GACAGCAAAA TGTCACACGT CAAGCACACA GAGCCACTGC  
TACCAAACCA TCCACCCTGC TCATGAGCCT GAAGGCAAAG TGGACTTCCC GGAGCCTCTG  
GTAAAGGCC ACCAGCAGGC TTACACCTAT CTACACTCCA GCCTCTCCAA ATATGAAGCA  
ATTCTGTGCA TCATCCATCA GGCCACCCAG ACCCGGGAGC TGCTGCAGCC CATGGTCAGC  
TTCTTGCTGC TGTGCTTTGA GGAGATCAGC CAGCTGTTGG GGGAGATCTC CAAGGATGGA  
GAAGTGCTCC TGCAGGAAGT CAGGGAGGAT CTGGCTTGGC CTTTGAAGAA AAGAGAGCCC  
CAGGAGCAGC CAAATCTCCT GCAACAGCTG CTACAGTACA CAGTCAGCAA GCTGCAGGTG  
CTCAATGGCA CAGTGGCCTC GCTCACCGGC AGCTTCTGG AGGGCTCCAG CAGCTACCTC  
CACTCCACTG CAACCCACTT GGAAAATAAG CTGAGCACA AAAGGAATGT GGATGAACGC  
CTCCTGAGGG CTCTGAGGCA GCTAGAGAGC CTGGCGAGTG GCTGTGGCGA CCCTGGGGTG  
CAGGGTCTCC CTTATGCTC TGAGGACAGT GGCATTGGTG CTGACAATGA GTCCGTGCAG  
TCGGTGGACA AGCTGGGCAA GCAAACCAGC TGGGACCTTG CACCAGAGCC CGAAGAATGG  
AAGTCGGTGA CTTACCCCCA CACAGAGGCC AGGCAGTCAG GACACACCTG GCAGCAAAGT  
CCATTCTGTT TGGGCTCAGG CAGACCCCAG GACTGCCTGC TCTCAGGGGC TCCTATGGCA  
AAGGTTGAGC CACGAGCACA GGACGAAGCA AGGAGCCCAT GCCTCTCCAG TACAAGCCCA  
GAAAATATCA CCTCCCCACC TTTGAAGCTG GGGACAAGCA CCCCATGTGA TTCCTTTGGG  
ATTGGGGTCT CTGTGGAACC ACACCTTTCC AAAACCTCCA GGCCGATGGA CGCTTCATCT  
CTTAGTGACA GCGAGGACAG CAGCCCAGAG GAGGAGGAGG AAGACAAAAT GAGCAGCATG  
AGTCTGTGTG CCTGGCAGGA AAAAATCCA CATTCAAGGC CACAATCTTC ACCTGCTGAC  
CGGGAAAGCC CATTTCAGGC CCGCACCAGG AGGCTTAGGA GCCTCCAGGC CCAGGAAATG  
ATTCTGAAGA TGAAGGAGTC AATCAGCGAA AGGATCAAGT TTGTCCCTGT GCCCTGTGGG  
CACCAGGACT GGTCTGAGGA GGAGGAGGGG AGGACAGTGG TCCCCCAAG ACCTAGCAGC  
GTAAGTGGCA GCAGGAGGGC CCCTGAGAGG CAGACGAGGT CCCAGTCAGA GTCGTGTCTC  
CAGAGTCAGC TGGAGGACCC CACCTTTCAG GAGCTGCGAA GGGTCCAGAG GGACCTCAGT  
CAGAAGCTGG AGGCATTTTA TGCCCTGGGT GCCAAAGGGC AGGGGCAGAG CCAGGAGCAA  
ATTCTGCAGC CCAGAGCAGC CGCCGTGTGG CCAATGGCA CCTGCAGGGT CAGTCCAAGC  
AACACCACCA GCAGGCTCAA GGCATCCCTC ACCAAGAACT TCAGTATTTT GCCTAGTCAG  
GACAAGAGCA TCTTGAGAA ATGCAATCCC CATCCTGAGG ACGAACAAGG CAAAGCTGGG  
AAGCTTCCAA ATGCCATCCC ATCAGGAGAG GTCAGTGAGG CTGCCAAGGC CACAGACTGG  
AATGTCAGAG GCTGTCCCAC CAGAACATCC GTCAAGAAGC TTATTGAAAC TTTAGTCCC  
ACGGAGAGTC TGAGGATGCT GGGGACTCT AAGGACGCTG GGGCAAGTCC CTGCCTCAGG  
AATTGCATCA TGCCCCCAG ATTTCCCAAG TACACAGGGC TTGCCCTTT GTATCCGAAG  
CCCCAAATTT CTCCAGCATC AGGCAGAGAA TCTCTCAAAA TGGGCATAGG CTGGAAGCCC  
TTAGCACCTA TCTTTCCCC TCTGCCTAAA GCAGAAGCAG CCAAGAGTGA GGAGCTCAGC

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TGTGAAATGG AGGGGAACCT CGAGCACCTC CCTCCACCGC CTATGGAAGT TCTGATGGAC  
AAATCATTCTG CTTCTCTGGA GTCCCCAGAA AGCAGCAAGT CCACAGAGAA CTCCCCAAG  
GAAACCCAGG AGCCAGGGCC GGGAGAGGCT GGCCCCACCA GGAGAACATG GGCTTCCCCA  
AAGCTGAGGG CCTCTGTGAG CCCCTGGAC TTGCTGCCA GCAAGAGCAC CGCCAGCCTG  
ACCAAGCCTC ACAGCACAGG GCCAGGGAGT GGCAGGAGCA GCTGCCAGCC CAGGAAGCCA  
GCCCTGGACC TGAGCAGCCC ACCAGCCACC AGCCAAAGCC CCGAGGTGAA GGGTGGGACT  
TGGAGTCAGG CAGAGAAGGC CACCAGCCTC TACAGGCAGC CCCGGAAGGC CATCGCCTGG  
CACCACTCCG GCCCTCCATC TGGACAAAAC AGGACCTCAG AGTCCAGCCT GGCCAGACCA  
AGGCAGAGCC GAGAGAGAAG CCCCCCTGTG GGCAGAAAGG CCTCTCCCAC GAGGACACAC  
TGGGTGCCTC AAGCAGACAA GAGGCGCCGG AGCCTTCCCT CCTCTTACAG ACCTGCCAG  
CCAAGCCCCT CTGCTGTGCA GACGCCCCC AGCCACCTG TGAGCCCCAG GGTGCTAAGC  
CCACCCACCA CAAAGCGGCG AACTTCCCCA CCGCACCAGC CCAAGTTGCC CAACCCTCCC  
CCCGAGAGTG CACCTGCTCA GTGCAAGGTC CCCAGCCCC CAACCCAGCA CCCAGAAGCA  
AGCCCCCTT TCTCGATTCC CTCCCCATCA CCCCCAATGT CCCCTTCTCA GGAGCACAAG  
GAAACAAGAG ACTCTGAAGA CAGCCAAGCA GTCATAGCCA AAGTGTCTGG GAACACACAT  
TCCATATTCT GCCCAGCTAC CTCCTCTCTG TTTGAAGCTA AACCGCCACT CTCAACAGCC  
CACCCACTGA CCCCACCATC GCTGCCGCCA GAGGCTGGGG GCCCTCTCGG GAACCCAGCA  
GAATGCTGGA AGAACAGCTC AGGGCCTTGG CTGAGAGCAG ACTCGCAGCG GAGAGCAGCT  
CTGTGTGCC TCAACCCTCT GCCTTTCTC AGGAGGACAG CTTCTGACCG CCAGCCAGGT  
GGCCGACCGC AGCCTCCCAC CTTGGACCCC ACCAGCACCT CTTATGAATC CCAGCTCGGC  
CAGAACAGCA GCAGCGAGGA GAGCCCTAAG AAGGACACAG AGCCGGGGAG CAGCCCCTGT  
TCCCCTGAAC TGCAGGGCGG CACCAGGCGT GCATCTCCCC CAGAGTTCTG TGTGCTGGGC  
CACGGGCTGC AACCGGAGCC TCGGACCGGC CACATCCAGG ACAAATCCCA GCCAGAGGCG  
CAGCCCCAGC AAGAGGAGGT GTCCTGA

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Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

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Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

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Sequencing Primer: 

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

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Grade: End-sequenced

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Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

## Target Details

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Gene:	C2orf71
Alternative Name:	C2orf71 ( <a href="#">C2orf71 Products</a> )
Background:	The protein encoded by this gene is highly expressed in photoreceptors and may associate with the primary cilium of the outer segment. The encoded protein appears to undergo post-translational lipid modification. Nonsense and missense variants of this gene appear to cause a recessive form of retinitis pigmentosa. [provided by RefSeq, Jun 2010].
Gene ID:	388939
NCBI Accession:	<a href="#">NM_001029883</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
Storage:	RT/-20 °C
Storage Comment:	<ul style="list-style-type: none"><li>• Keep the vial sealed and store at -20°C for long-term storage.</li><li>• Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.</li><li>• Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.</li><li>• If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.</li><li>• Close the lid and vortex the vial for 1 minute.</li><li>• Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.</li></ul>
Expiry Date:	12 months

## Publications

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Product cited in:	Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)
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