

Datasheet for ABIN4932162

Human C8ORF37 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	C8ORF37
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 C8orf37 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	624 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGCGGAGG ACCTGGACGA GCTCTTGGAT GAAGTCGAGT CCAAGTTTTG CACACCTGAC CTTCTAAGAC GGGGTATGGT CGAGCAGCCC AAAGGCTGCG GCGGCGGCAC CCACAGTAGC GACCGGAACC AAGCCAAGGC GAAAGAGACG CTCAGATCAA CAGAAACATT TAAAAAGAA GATGATCTTG ACAGTCTTAT TAATGAAATA CTTGAAGAGC CCAACTTGA CAAAAACCC

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Product Details

TCTAAATTAA AATCTAAATC TTCAGGTAAC ACATCTGTCA GAGCTTCCAT TGAAGGCCTT
GGTAAAAGTT GCAGTCCGGT GTACCTTGGT GGAAGCTCTA TTCCATGTGG GATTGGAACA
AATATTTTCAT GGAGAGCATG TGACCATCTG CGTTGTATAG CCTGTGATTT CTTGGTAGTC
AGCTATGATG ACTATATGTG GGACAAATCG TGTGATTATC TGTTTTTCAG GAACAACATG
CCAGAATTTT ACAAATTAAG AGCAAAGTTG ATAAAGAAGA AAGGAACACG GGCATATGCC
TGCCAGTGTA GCTGGAGAAC TATTGAAGAA GTGACTGACC TTCAGACAGA TCATCAGCTT
CGCTGGGTTT GTGGTAAACA TTAA

Specificity:	ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology
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.
Sequencing Primer:	<ul style="list-style-type: none">• Forward primer: 5'-TAATACGACTCACTATAGGG-3'• Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'
Grade:	End-sequenced
Components:	The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

Target Details

Gene:	C8ORF37
Alternative Name:	C8orf37 (C8ORF37 Products)
Background:	This gene encodes a ubiquitously expressed protein of unknown function. It has high levels of mRNA expression in the brain, heart, and retina and the protein co-localizes with polyglutamylated tubulin at the base of the primary cilium in human retinal pigment epithelial cells. Mutations in this gene have been associated with autosomal recessive cone-rod dystrophy (arCRD) and retinitis pigmentosa (arRP). [provided by RefSeq, Mar 2012].
Gene ID:	157657
NCBI Accession:	NM_177965

Application Details

Restrictions:	For Research Use only
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Handling

Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- 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.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

Publications

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