Datasheet for ABIN4945791

Human JMJD7-PLA2G4B ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	JMJD7-PLA2G4B
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 JMJD7-PLA2G4B with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	3039 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGCGGAGG CGGCTTTGGA AGCCGTGCGG AGCGAGTTAC GAGAATTCCC GGCCGCTGCA AGGGAGCTCT GCGTGCCTCT TGCTGTGCCC TACCTGGACA AACCCCCAAC TCCGCTCCAC TTCTACCGGG ACTGGGTCTG CCCCAACAGG CCGTGCATTA TCCGCAACGC TCTGCAGCAC TGGCCGGCCC TCCAGAAGTG GTCCCTCCCC TATTTCAGAG CCACAGTGGG CTCCACAGAG

GTGAGTGTGG CCGTGACCCC AGATGGTTAC GCGGATGCCG TGAGAGGGGA TCGCTTCATG
ATGCCAGCTG AGCGCCGCCT GCCCCTGAGC TTCGTGCTGG ATGTGCTGGA GGGCCGGGCC
CAGCACCCTG GAGTCCTCTA TGTGCAGAAG CAGTGCTCCA ACCTGCCCAG CGAGCTGCCC
CAGCTGCTGC CTGATCTGGA ATCCCATGTG CCCTGGGCCT CCGAAGCCCT GGGAAAGATG
CCCGATGCTG TGAACTTCTG GCTGGGGGAG GCGGCTGCAG TGACTTCTTT GCACAAGGAC
CACTATGAGA ACCTCTACTG CGTGGTCTCA GGAGAGAAGC ATTTCCTGTT CCATCCGCCC
AGCGACCGGC CCTTCATCCC CTATGAGCTG TACACGCCGG CAACCTACCA GCTAACTGAA
GAGGGCACCT TTAAGGTGGT GGATGAAGAG GCCATGGAGA AGGCAGAGGT GTCCAGGACC
TGCCTGCTCA CGGTTCGTGT CCTGCAGGCC CATCGCCTAC CCTCTAAGGA CCTAGTGACC
CCCTCTGACT GCTACGTGAC TCTCTGGCTG CCCACGGCCT GCAGCCACAG GCTCCAGACA
CGCACGGTCA AGAACAGCAG TAGCCCTGTC TGGAACCAGA GCTTTCACTT CAGGATCCAC
AGGCAGCTCA AGAATGTCAT GGAACTGAAA GTCTTTGACC AGGACCTGGT GACCGGAGAT
GACCCTGTGT TGTCAGTACT GTTTGATGCG GGGACTCTGC GGGCTGGGGA GTTCCGGCGC
GAGAGCTTCT CACTGAGCCC TCAGGGTGAG GGGCGCCTGG AAGTTGAATT TCGCCTGCAG
AGTCTGGCTG ACCGTGGCGA GTGGCTCGTC AGCAATGGCG TTCTGGTGGC CCGGGAGCTC
TCCTGCTTGC ACGTTCAACT GGAGGAGACA GGAGACCAGA AGTCCTCAGA GCACAGAGTT
CAGCTTGTGG TTCCTGGGTC CTGTGAGGGT CCGCAGGAGG CCTCTGTGGG CACTGGCACC
TTCCGCTTCC ACTGCCCAGC CTGCTGGGAG CAGGAGCTGA GTATTCGCCT GCAGGATGCC
CCCGAGGAGC AACTAAAGGC GCCACTGAGT GCCCTGCCCT CTGGTCAAGT GGTGAGGCTT
GTCTTCCCCA CGTCCCAGGA GCCCCTGATG AGAGTGGAGC TGAAAAAAGA AGCAGGACTG
AGGGAGCTGG CCGTGCGACT GGGCTTCGGG CCCTGTGCAG AGGAGCAGGC CTTCCTGAGC
AGGAGGAAGC AGGTGGTGGC CGCGGCCTTG AGGCAGGCCC TGCAGCTGGA CGGAGACCTG
CAGGAGGATG AGATCCCAGT GGTAGCTATT ATGGCCACTG GTGGTGGGAT CCGGGCAATG
ACTTCCCTGT ATGGGCAGCT GGCTGGCCTG AAGGAGCTGG GCCTCTTGGA TTGCGTCTCC
TACATCACCG GGGCCTCGGG CTCCACCTGG GCCTTGGCCA ACCTTTATGA GGACCCAGAG
TGGTCTCAGA AGGACCTGGC AGGGCCCACT GAGTTGCTGA AGACCCAGGT GACCAAGAAC
AAGCTGGGTG TGCTGGCCCC CAGCCAGCTG CAGCGGTACC GGCAGGAGCT GGCCGAGCGT
GCCCGCTTGG GCTACCCAAG CTGCTTCACC AACCTGTGGG CCCTCATCAA CGAGGCGCTG
CTGCATGATG AGCCCCATGA TCACAAGCTC TCAGATCAAC GGGAGGCCCT GAGTCATGGC
CAGAACCCTC TGCCCATCTA CTGTGCCCTC AACACCAAAG GGCAGAGCCT GACCACTTTT
GAATTTGGGG AGTGGTGCGA GTTCTCTCCC TACGAGGTCG GCTTCCCCAA GTACGGGGCC
TTCATCCCCT CTGAGCTCTT TGGCTCCGAG TTCTTTATGG GGCAGCTGAT GAAGAGGCTT
CCTGAGTCCC GCATCTGCTT CTTAGAAGGT ATCTGGAGCA ACCTGTATGC AGCCAACCTC
CAGGACAGCT TATACTGGGC CTCAGAGCCC AGCCAGTTCT GGGACCGCTG GGTCAGGAAC
CAGGCCAACC TGGACAAGGA GCAGGTCCCC CTTCTGAAGA TAGAAGAACC ACCCTCAACA
GCCGGCAGGA TAGCTGAGTT TTTCACCGAT CTTCTGACGT GGCGTCCACT GGCCCAGGCC

Product Details

	ACACATAATT TCCTGCGTGG CCTCCATTTC CACAAAGACT ACTTTCAGCA TCCTCACTTC TCCACATGGA AAGCTACCAC TCTGGATGGG CTCCCCAACC AGCTGACACC CTCGGAGCCC CACCTGTGCC TGCTGGATGT TGGCTACCTC ATCAATACCA GCTGCCTGCC CCTCCTGCAG CCCACTCGGG ACGTGGACCT CATCCTGTCA TTGGACTACA ACCTCCACGG AGCCTTCCAG CAGTTGCAGC TCCTGGGCCG GTTCTGCCAG GAGCAGGGGA TCCCGTTCCC ACCCATCTCG CCCAGCCCCG AAGAGCAGCT CCAGCCTCGG GAGTGCCACA CCTTCTCCGA CCCCACCTGC CCCGGAGCCC CTGCGGTGCT GCACTTTCCT CTGGTCAGCG ACTCCTTCCG GGAGTACTCG GCCCCTGGGG TCCGGCGGAC ACCCGAGGAG GCGGCAGCTG GGGAGGTGAA CCTGTCTTCA TCGGACTCTC CCTACCACTA CACGAAGGTG ACCTACAGCC AGGAGGACGT GGACAAGCTG CTGCACCTGA CACATTACAA TGTCTGCAAC AACCAGGAGC AGCTGCTGGA GGCTCTGCGC CAGGCAGTGC AGCGGAGGCG GCAGCGCAGG CCCCACTGA
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:	• 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:	JMJD7-PLA2G4B
Alternative Name:	JMJD7-PLA2G4B (JMJD7-PLA2G4B Products)
Background:	This locus represents naturally-occurring readthrough transcription between the neighboring jumonji domain containing 7 (JMJD7) and phospholipase A2, group IVB (cytosolic) (PLA2G4B) genes. Readthrough transcripts encode fusion proteins that share amino acid sequence with each individual gene product, including a partial JmjC domain and downstream C2 and phospholipase A2 domains. Alternatively spliced transcript variants have been observed. [provided by RefSeq, Oct 2013].
Gene ID:	8681
NCBI Accession:	NM_005090

Application Details

Restrictions:	For Research Use only

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)