

Datasheet for ABIN4943757

Human GOLGA6A ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	GOLGA6A
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 GOLGA6A with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	2082 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGTGGCCCC AACCTACCT CCCTCCCCAC CCCATGATGT TAGAAGAATC TCGACAGAAT AAATTGGCAG CAGCCAAGAA AAAGCTAAAA GAATATCAGC AAAGGAAGAG CCCTGGTATT CCAGCAGGAG CAAAGACAAA AAAGAAAAAA ACTGACAGTA GCCCTGAGAC AACCACTTCC GGTGGTTGCC ACTCACCTGG GGATAGCCAG TACCAAGAAC TAGCAGTAGC CCTGGAGTCA

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AGCTCAGTGA CAATCAGTCA ACTCAATGAA AACATAGAAT CATTGAAACA GCAGAAGAAA
CAAGTGGAAC ATCAGCTGGA AGAAGCAAAG AAAACAAACA ATGAAATACA CAAAGCACAA
ATGGAGCGGT TAGAGACAAT CAACATCCTC ACATTGGAAA AGGCAGACTT GAAGACCACC
CTTTACCATA CTAAACGTGC TGCCCCGACAC TTCGAAGAAG AGTCCAAGGA TCTGGCTGGC
CGCCTGCAAT ACTCCTTACA GCGTATTCAA GAATTGGAGC GGGCTCTCTG TGCTGTGTCT
ACACAGCAGC AGGAAGAGGA CAGGTCCTCG AGCTGCAGAG AAGCGGTCCT CCAGCGGTGG
TTACAGCAGA CCATAAAGGA GCGGGCGCTG CTGAACGCAC ACGTGACACA GGTGACAGAG
TCACTAAAAC AAGTCCAGCT AGAGCGAGAC GAATATGCTA AACACATAAA AGGAGAGAGG
GCCCCGTGGC AGGAGAGGAT GTGGAAAATG TCGGTGGAGG CTCGAACATT GAAGGAAGAG
AAGAAGCGTG ACATACATCG GATACAGGAG CTGGAGAGGA GCTTGTCCGA ACTCAAAAAC
CAGATGGCTG AGCCCCATC CCTGGCGCCC CCAGCAGTGA CCTCTGTGGT GGAACAGCTA
CAAGATGAGG CCAAACACCT GAGGCAGGAG GTGGAAGGTC TGGAGGGAAA GCTCCAGTCC
CAGGTGGAAC ACAATCAGGC CTTGAGTCTC CTTAGCAAGG AACAAAAGCA GAGACTCCAG
GAGCAGGAGG AGATGCTCCG AGAGCAGGAG GCGCAGAGAG TCGGGGAGCA GGAGAGACTG
TGTGAACAAA ACGAGAGGCT TCGGGAGCAG CAGAAGACGC TACAGGAGCA GGGTGAAGAG
CTGCGAAAAGC AGGAGCAGAG GCTACGCAAA CAGGAGGAGA GGCTGCGAAA GGAGGAGGAG
AGGCTGCAAA AGCAGGAAAA GAGGCTGTGG GACCAGGAGG AGAGGCTGTG GAAGAAGGAG
GAGAGGCTAC AAAAGCAGGA GGAGAGGCTC GCGCTCTCCC AGAACCACAA GCTCGACAAG
CAGCTGGCCG AGCCACAGTG CAGCTTCGAG GATCTGAACA ACGAGAAAAA GAGCGCACTG
CAGTTGGAGC AGCAAGTAAA GGAGCTGCAG GAGAAGCTAG ACGAGGAGCA CCTAGAAGCT
GCCAGCCACC AGAACCAACA GCTAGAGACC CAGCTAAGCC TCGTGGCTCT CCCTGGAGAA
GGAGATGGAG GACAACATCT GGACAGTGAG GAGGAGGAGG CGCCTCGGCC CACGCCAAAC
ATCCCAGAGG ACCTGGAGAG CCGGGAGGCC ACGAGCAGCT TTATGGACCT CCCGAAGGAG
AAGGCGGACG GGACGGAGCA GGTGGAGAGA CGAGAGCTTG GATTCGTCCA GCCTTCTGGA
GTGACAGACG GCATGAGAGA GTCCTTCACC GTATATGAAA GCCAGGGGGC AGTGCCAAAC
ACGCGGCACC AGGAGATGGA GGATGTCATC AGGCTGGCCC AGAAGGAGGA GGAGATGAAG
GTGAAGCTGC TGGAGCTGCA AGAGTTGGTG TTGCCCTTG TGGGCAACCA TGAGGGGCAT
GGCAAATTCC TCATCGCTGC CCAGAACCCT GCTGATGAGC CCACTCCAGG GGCCCCAGCC
CCCCAGGAAC TTGGGGCTGC CCGTGAGCAG GATGTTTTTT ATGAAGTGAG CCTGGACAAC
AACGTGGAGC CTGCACCAGG AGCGGCCAGG GAGGGTTCTC CCCATGACAA CCCCACTGTA
CAGCAGATCG TGCAGCTGTC TCCTGTGATG CAGGACACCT AG

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

Product Details

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: GOLGA6A

Alternative Name: GOLGA6A ([GOLGA6A Products](#))

Background: The Golgi apparatus, which participates in glycosylation and transport of proteins and lipids in the secretory pathway, consists of a series of stacked cisternae (flattened membrane sacs). Interactions between the Golgi and microtubules are thought to be important for the reorganization of the Golgi after it fragments during mitosis. The protein encoded by this gene is a member of the golgin family of proteins, whose members localize to the Golgi. This gene is found in a large, low copy repeat sequence or duplicon that is found in multiple copies, that are greater than 90 % similar, on chromosome 15. Duplicons are associated with deletions, inversions and other chromosome rearrangements that underlie genomic disease. The protein encoded by this gene is thought to be a functional golgin protein while the majority of the related copies of this gene are thought to be transcribed pseudogenes. [provided by RefSeq, Jul 2008].

Gene ID: 342096

NCBI Accession: [NM_001038640](#)

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.

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Handling

- 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)