

Datasheet for ABIN4929680

Human FCGR3B ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	FCGR3B
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 FCGR3B with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	702 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGTGGCAGC TGCTCCTCCC AACTGCTCTG CTA CTTCTAG TTTCAGCTGG CATGCGGACT GAAGATCTCC CAAAGGCTGT GGTGTTCTG GAGCCTCAAT GGTACAGCGT GCTTGAGAAG GACAGTGTGA CTCTGAAGTG CCAGGGAGCC TACTCCCCTG AGGACAATTC CACACAGTGG TTTCACAATG AGAACCTCAT CTCAAGCCAG GCCTCGAGCT ACTTCATTGA CGCTGCCACA GTCAACGACA GTGGAGAGTA CAGGTGCCAG ACAAACCTCT CCACCCTCAG TGACCCGGTG

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Product Details

CAGCTAGAAG TCCATATCGG CTGGCTGTTG CTCCAGGCC CTGGTGGGT GTTCAAGGAG
GAAGACCCTA TTCACCTGAG GTGTCACAGC TGGAAGAACA CTGCTCTGCA TAAGGTCACA
TATTTACAGA ATGGCAAAGA CAGGAAGTAT TTTTCATCATA ATTCTGACTT CCACATTCCA
AAAGCCACAC TCAAAGATAG CGGCTCCTAC TTCTGCAGGG GGCTTGTGG GAGTAAAAAT
GTGTCTTCAG AGACTGTGAA CATCACCATC ACTCAAGGTT TGGCAGTGTC AACCATCTCA
TCATTCTCTC CACCTGGGTA CCAAGTCTCT TTCTGCTTGG TGATGGTACT CCTTTTTGCA
GTGGACACAG GACTATATTT CTCTGTGAAG ACAAACATTT GA

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:	FCGR3B
Alternative Name:	FCGR3B (FCGR3B Products)
Background:	The protein encoded by this gene is a low affinity receptor for the Fc region of gamma immunoglobulins (IgG). The encoded protein acts as a monomer and can bind either monomeric or aggregated IgG. This gene may function to capture immune complexes in the peripheral circulation. Several transcript variants encoding different isoforms have been found for this gene. A highly-similar gene encoding a related protein is also found on chromosome 1. [provided by RefSeq, Aug 2012].
Gene ID:	2215
NCBI Accession:	NM_000570

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)