

Datasheet for ABIN4939522

## Human FCGR1B ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	FCGR1B
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 FCGR1B with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	843 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGTGGTTCT TGACAACTCT GCTCCTTTGG GTTCCAGTTG ATGGGCAAGT GGACACCACA AAGGCAGTGA TCACTTTGCA GCCTCCATGG GTCAGCGTGT TCCAAGAGGA AACCGTAACC TTGCACTGTG AGGTGCTCCA TCTGCCTGGG AGCAGCTCCA CACAGTGGTT TCTCAATGGC ACAGCCACTC AGACCTCGAC CCCAGCTAC AGAATCACCT CTGCCAGTGT CAATGACAGT GGTGAATACA GGTGCCAGAG AGGTCTCTCA GGGCGAAGTG ACCCCATACA GCTGGAAATC

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## Product Details

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CACAGAGGCT GGCTACTACT GCAGGTCTCC AGCAGAGTCT TCATGGAAGG AGAACCTCTG  
GCCTTGAGGT GTCATGCGTG GAAGGATAAG CTGGTGACA ATGTGCTTTA CTATCGAAAT  
GGCAAAGCCT TTAAGTTTTT CCACTGGAAT TCTAACCTCA CCATTCTGAA AACCAACATA  
AGTCACAATG GCACCTACCA TTGCTCAGGC ATGGGAAAGC ATCGCTACAC ATCAGCAGGA  
ATATCACAAT AACTGTGAA AGGCCTCCAG TTACCAACTC CTGTCTGGTT TCATGTCCTT  
TTCTATCTGG CAGTGGGAAT AATGTTTTTA GTGAACACTG TTCTCTGGGT GACAATACGT  
AAAGAACTGA AAAGAAAGAA AAAGTGAAT TTAGAAATCT CTTTGGATTC TGGTCATGAG  
AAGAAGGTAA TTTCCAGCCT TCAAGAAGAC AGACATTTAG AAGAAGAGCT GAAATGTCAG  
GAACAAAAAG AAGAACAGCT GCAGGAAGGG GTGCACCGGA AGGAGCCCCA GGGGGCCACG  
TAG

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

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Gene: FCGR1B

Alternative Name: FCGR1B ([FCGR1B Products](#))

Background: Three distinct, but closely related classes of receptors that bind the Fc portion of IgG have been identified (FcγRI, II and III). The FcγRI family consists of three closely related genes termed A, B, and C. This gene encodes the low affinity FcγRIIB receptor that may play an important role in humoral immune response. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011].

Gene ID: 2210

NCBI Accession: [NM\\_001017986](#)

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## Application Details

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Restrictions: For Research Use only

## Handling

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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

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