

Datasheet for ABIN4939521

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:	567 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 GGCTGGCTAC TACTGCAGGT CTCCAGCAGA GTCTTCATGG AAGGAGAACC TCTGGCCTTG AGGTGTCATG CGTGAAGGA TAAGCTGGTG TACAATGTGC TTTACTATCG AAATGGCAA GCCTTTAAGT TTTTCCACTG GAATTCTAAC CTCACCATTC TGAAAACCAA CATAAGTCAC AATGGCACCT ACCATTGCTC AGGCATGGGA AAGCATCGCT ACACATCAGC AGGAATATCA CAATACACTG TGAAAGGCCT CCAGTTACCA

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Product Details

ACTCCTGTCT GGTTCATGT CCTTTTCTAT CTGGCAGTGG GAATAATGTT TTTAGTGAAC
ACTGTTCTCT GGGTGACAAT ACGTAAAGAA CTGAAAAGAA AGAAAAAGTG GAATTTAGAA
ATCTCTTTGG ATTCTGGTCA TGAGAAGAAG GTAATTTCCA GCCTTCAAGA AGACAGACAT
TTAGAAGAAG AGCTGAAATG TCAGGAACAA AAAGAAGAAC AGCTGCAGGA AGGGGTGCAC
CGGAAGGAGC CCCAGGGGGC CACGTAG

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: 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_001004340](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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Handling

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)