

Datasheet for ABIN4923721

Human SIGLEC8 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	SIGLEC8
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 SIGLEC8 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1500 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	<p>ATGCTGCTGC TGCTGCTGCT GCTGCCCTG CTCTGGGGGA CAAAGGGGAT GGAGGGAGAC AGACAATATG GGGATGGTTA CTTGCTGCAA GTGCAGGAGC TGGTGACGGT GCAGGAGGGC CTGTGTGTCC ATGTGCCCTG CTCCTTCTCC TACCCCAGG ATGGCTGGAC TGA CTCTGAC CCAGTTCATG GCTACTGGTT CCGGGCAGGA GACAGACCAT ACCAAGACGC TCCAGTGGCC ACAAACAACC CAGACAGAGA AGTGCAGGCA GAGACCCAGG GCCGATTCCA ACTCCTTGGG</p>

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Product Details

GACATTTGGA GCAACGACTG CTCCTGAGC ATCAGAGACG CCAGGAAGAG GGATAAGGGG
TCATATTTCT TTCGGCTAGA GAGAGGAAGC ATGAAATGGA GTTACAAATC ACAGTTGAAT
TACAAAATA AGCAGCTGTC TGTGTTTGTG ACAGCCCTGA CCCATAGGCC TGACATCCTC
ATCCTAGGGA CCCTAGAGTC TGGCCACTCC AGGAACCTGA CCTGCTCTGT GCCCTGGGCC
TGTAAGCAGG GGACACCCCC CATGATCTCC TGGATTGGGG CCTCCGTGTC CTCCCCGGGC
CCCCTACTG CCCGCTCCTC AGTGCTCACC CTTACCCCAA AGCCCCAGGA CCACGGCACC
AGCCTCACCT GTCAGGTGAC CTTGCCTGGG ACAGGTGTGA CCACGACCAG TACCGTCCGC
CTCGATGTGT CCTACCCTCC TTGGAATTG ACCATGACTG TCTTCCAAGG AGATGCCACA
GCATCCACAG CCCTGGGAAA TGGCTCATCT CTTTCAGTCC TTGAGGGCCA GTCTCTGCGC
CTGGTCTGTG CTGTCAACAG CAATCCCCCT GCCAGGCTGA GCTGGACCCG GGGGAGCCTG
ACCCTGTGCC CCTCACGGTC CTCAAACCT GGGCTGCTGG AGCTGCCTCG AGTGCACGTG
AGGGATGAAG GGGAATTCAC CTGCCGAGCT CAGAACGCTC AGGGCTCCCA GCACATTTCC
CTGAGCCTCT CCCTGCAGAA TGAGGGCACA GGCACCTCAA GACCTGTATC ACAAGTGACA
CTGGCAGCAG TCGGGGGAGC TGGAGCCACA GCCCTGGCCT TCCTGTCTT CTGCATCATC
TTCATCATAG TGAGGTCCTG CAGGAAGAAA TCGGCAAGGC CAGCAGCGGG CGTGGGGGAT
ACAGGCATGG AAGATGCAAA GGCCATCAGG GGCTCGGCCT CTCAGGGACC CCTGACTGAA
TCCTGGAAAG ATGGCAACCC CCTGAAGAAG CCTCCCCCAG CTGTTGCCCC CTGTCAGGG
GAGGAAGGAG AGCTCCATTA TGCAACCCTC AGCTTCCATA AAGTGAAGCC TCAGGACCCG
CAGGGACAGG AGGCCACTGA CAGTGAATAC TCGGAGATCA AGATCCACAA GCGAGAACT
GCAGAGACTC AGGCCTGTTT GAGGAATCAC AACCCCTCCA GCAAAGAAGT CAGAGGCTGA

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: SIGLEC8

Alternative Name: SIGLEC8 ([SIGLEC8 Products](#))

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Target Details

Background: Sialic acid-binding immunoglobulin (Ig)-like lectins, or SIGLECs (e.g., CD33 (MIM 159590)), are a family of type 1 transmembrane proteins each having a unique expression pattern, mostly in hemopoietic cells. SIGLEC8 is a member of the CD33-like subgroup of SIGLECs, which are localized to 19q13.3-q13.4 and have 2 conserved cytoplasmic tyrosine-based motifs: an immunoreceptor tyrosine-based inhibitory motif, or ITIM (see MIM 604964), and a motif homologous to one identified in signaling lymphocyte activation molecule (SLAM, MIM 603492) that mediates an association with SLAM-associated protein (SAP, MIM 300490) (summarized by Foussias et al., 2000 [PubMed 11095983]).[supplied by OMIM, May 2010].

Gene ID: 27181

NCBI Accession: [NM_014442](#)

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)