

Datasheet for ABIN4928147

Human KIR2DL5B ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	KIR2DL5B
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 KIR2DL5B with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1128 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGTCGCTCA TGGTCATCAG CATGGCGTGT GTTGGGTTCT TCTTGCTGCA GGGGGCCTGG ACACATGAGG GTGGACAGGA CAAGCCCTTG CTGTCTGCCT GGCCCAGCGC TGTGGTGCCT CGAGGAGGAC ATGTGACTCT TCTGTGTCGC TCTCGTCTTG GGTTACCAT CTTCAGTCTG TACAAAGAAG ATGGGGTGCC TGTCCCTGAG CTCTACAACA AAATATTCTG GAAGAGCATC

Order at www.genomics-online.com

USA & Canada: +1 877 302 8632 | support@antibodies-online.com

Product Details

CTCATGGGCC CTGTGACCCC TGCACACGCA GGGACCTACA GATGTCGGGG TTCACACCCG
CGCTCCCCCA TTGAGTGGTC GGCACCCAGC AACCCCTGG TGATCGTGGT CACAGGTCTA
TTTGGGAAAC CTTCACTCTC AGCCCAGCCG GGCCCCACGG TTCGCACAGG AGAGAACGTG
GCCTTGTCTT GCAGCTCCAG GAGCTCATT GACATGTACC ATCTATCCAG GGAGGGGAGG
GCCCATGAAC CTAGGCTCCC TGCAGTGCCC AGCGTCGATG GAACATTCCA GGCTGACTTT
CCTCTGGGCC CTGCCACCCA CGGAGGGACC TACACATGCT TCAGCTCTCT CCATGACTCA
CCCTATGAGT GGTCAGACCC GAGTGACCCA CTGCTTGTTT CTGTCACAGG AAACCTCTCA
AGTAGTTCAT CTTACCCAC TGAACCAAGC TCCAAAAGT GTATCCGCAG ACACCTGCAC
ATTCTGATTG GGACCTCAGT GGCTATCATC CTCTTCATCA TCCTCTTCTT CTTTCTCCTT
CATTGCTGCT GCTCCAACAA AAAGAATGCT GCTGTAATGG ACCAAGGGCC TGCCGGGGAC
AGAACAGTGA ACAGGGAGGA CTCTGATGAT CAAGACCCTC AGGAGGTGAC ATATGCACAG
TTGGATCACT GCGTTTTTAC ACAGACAAAA ATCACTTCCC CTTCTCAGAG GCCCAAGGCA
CCTCCAACAG ATACCACCAT GTACATGGAA CTCCAAATG CTAAGCCAAG ATCATTGTCT
CCTGCCATA AGCACCACAG TCAGGCCTTG AGGGGATCTT CTAGGGAGAC AACAGCCCTG
TCTCAAACC GGGTTGCTAG CTCCCATGTA CCAGCAGCTG GAATCTGA

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: KIR2DL5B

Alternative Name: KIR2DL5B ([KIR2DL5B Products](#))

Background: Killer cell immunoglobulin-like receptors (KIRs) are transmembrane glycoproteins expressed by natural killer cells and subsets of T cells. The KIR genes are polymorphic and highly homologous and they are found in a cluster on chromosome 19q13.4 within the 1 Mb leukocyte receptor complex (LRC). The gene content of the KIR gene cluster varies among haplotypes, although several 'framework' genes are found in all haplotypes (KIR3DL3, KIR3DP1, KIR3DL4,

Order at www.genomics-online.com

USA & Canada: +1 877 302 8632 | support@antibodies-online.com

Target Details

KIR3DL2). The KIR proteins are classified by the number of extracellular immunoglobulin domains (2D or 3D) and by whether they have a long (L) or short (S) cytoplasmic domain. KIR proteins with the long cytoplasmic domain transduce inhibitory signals upon ligand binding via an immune tyrosine-based inhibitory motif (ITIM), while KIR proteins with the short cytoplasmic domain lack the ITIM motif and instead associate with the TYRO protein tyrosine kinase binding protein to transduce activating signals. The ligands for several KIR proteins are subsets of HLA class I molecules, thus, KIR proteins are thought to play an important role in regulation of the immune response. [provided by RefSeq, Jul 2008].

Gene ID: 553128

NCBI Accession: [NM_001018081](#)

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)