

Datasheet for ABIN4918881

Human NCR3LG1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	B7-H6 (NCR3LG1)
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 NCR3LG1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1365 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGACGTGGA GGGCTGCCGC CTCCACGTGC GCGGCGCTCC TGATTCTGCT GTGGGCGCTG ACGACCGAAG GTGATCTGAA AGTAGAGATG ATGGCAGGGG GGAICTCAGAT CACACCCCTG AATGACAATG TCACCATATT CTGCAATATC TTTTATTCCC AACCCCTCAA CATCACGTCT ATGGGTATCA CCTGGTTTTG GAAGAGTCTG ACGTTTGACA AAGAAGTCAA AGTCTTTGAA

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Product Details

TTTTTTGGAG ATCACCAAGA GGCATTCCGA CCTGGAGCCA TTGTGTCTCC ATGGAGGCTG
AAGAGTGGGG ACGCCTCACT GCGGCTGCCT GGAATCCAGC TGGAGGAAGC AGGAGAGTAC
CGATGTGAGG TGGTGGTCAC CCCTCTGAAG GCACAGGGAA CAGTCCAGCT TGAAGTTGTG
GCTTCCCCAG CCAGCAGATT GTTGCTGGAT CAAGTGGGCA TGAAGAGAA TGAAGACAAA
TATATGTGTG AGTCAAGTGG GTTCTACCCA GAGGCTATTA ATATAACATG GGAGAAGCAG
ACCCAGAAGT TTCCCCATCC CATAGAGATT TCTGAGGATG TCATCACTGG TCCCACCATC
AAGAATATGG ATGGCACATT TAATGTCACT AGCTGCTTGA AGCTGAACTC CTCTCAGGAA
GACCCTGGGA CTGTCTACCA GTGTGTGGTA CGGCATGCGT CCTTGCATAC CCCCTTGAGG
AGCAACTTTA CCCTGACTGC TGCTCGGCAC AGTCTTTCTG AAACTGAGAA GACAGATAAT
TTTTCCATTC ATTGGTGGCC TATTTTATTC ATTGGTGTTG GACTGGTTTT ATTAATTGTT
TTGATTCCTT GGAAAAAGAT ATGTAACAAA TCATCTTCAG CCTATACTCC TCTCAAGTGC
ATTCTGAAAC ACTGGAAGTC CTTTGACACT CAGACTCTGA AGAAAGAGCA CCTCATATTC
TTTTGCACTC GGGCATGGCC GTCTTACCAG CTGCAGGATG GGGAGGCTTG GCCTCCTGAG
GGAAGTGTTA ATATTAATAC TATTCAACAA CTAGATGTTT TCTGCAGACA GGAGGGCAAA
TGGTCCGAGG TTCCTTATGT GCAAGCCTTC TTTGCCTTGC GAGACAACCC AGATCTTTGT
CAGTGTTGTA GAATTGACCC TGCTCTCCTA ACAGTTACAT CAGGCAAGTC CATAGATGAT
AATTCCACAA AGTCTGAGAA ACAAACCCCT AGGGAACACT CGGATGCAGT TCCGGATGCC
CCAATCCTTC CTGTCTCCCC TATCTGGGAA CCTCCTCCAG CCACAACATC AACAACTCCA
GTTCTATCCT CCCAACCCCC AACTTTACTG TTACCCCTAC AGTAA

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: B7-H6 (NCR3LG1)

Alternative Name: NCR3LG1 ([NCR3LG1 Products](#))

Background: B7H6 belongs to the B7 family (see MIM 605402) and is selectively expressed on tumor cells.

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Target Details

Interaction of B7H6 with NKp30 (NCR3, MIM 611550) results in natural killer (NK) cell activation and cytotoxicity (Brandt et al., 2009 [PubMed 19528259]).[supplied by OMIM, Jan 2011].

Gene ID: 374383

NCBI Accession: [NM_001202439](#)

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)