

Product datasheet for SC316674

CLEC1B (NM_001099431) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLEC1B (NM_001099431) Human Untagged Clone
Tag: Tag Free
Symbol: CLEC1B
Synonyms: 1810061113Rik; CLEC2; CLEC2B; PRO1384; QDED721
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC316674 representing NM_001099431.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGCAGGATGAAGATGGATACATCACCTTAAATATTTAAACTCGGAAACCAGCTCTCATCTCCGCTGC
ATGCAGCGCAATTACCTACAAGGTGAGAATGAAAATCGCACAGGAACTCTGCAACAATTAGCAAAGCGC
TTCTGTCAATATGTGGTAAAACAATCAGAACTAAAGGGCACTTTCAAAGGTCATAAATGCAGCCCCTGT
GACACAACTGGAGATATTATGGAGATAGCTGCTATGGGTTCTTCAGGCACAACCTAACATGGGAAGAG
AGTAAGCAGTACTGCACTGACATGAATGCTACTCTCCTGAAGATTGACAACCGGAACATTGTGGAGTAC
ATCAAAGCCAGGACTCATTTAATTCGTTGGGTCGGATTATCTCGCCAGAAGTCGAATGAGGTCTGGAAG
TGGGAGGATGGCTCGGTTATCTCAGAAAATATGTTTGAGTTTTTGGAAAGTGGAAAAGGAAATATGAAT
TGTGCTTATTTTCATAATGGGAAAATGCACCCTACCTTCTGTGAGAACAAACATTATTTAATGTGTGAG
AGGAAGGCTGGCATGACCAAGGTGGACCAACTACCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI
ACCN: NM_001099431
Insert Size: 591 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001099431.1
RefSeq Size:	883 bp
RefSeq ORF:	591 bp
Locus ID:	51266
UniProt ID:	Q9P126
Cytogenetics:	12p13.31-p13.2
Protein Families:	Druggable Genome, Transmembrane
MW:	23.1 kDa
Gene Summary:	<p>Natural killer (NK) cells express multiple calcium-dependent (C-type) lectin-like receptors, such as CD94 (KLRD1; MIM 602894) and NKG2D (KLRC4; MIM 602893), that interact with major histocompatibility complex class I molecules and either inhibit or activate cytotoxicity and cytokine secretion. CLEC2 is a C-type lectin-like receptor expressed in myeloid cells and NK cells (Colonna et al., 2000 [PubMed 10671229]).[supplied by OMIM, Jan 2011]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in a shorter protein (isoform b), compared to isoform a.</p>