

Product datasheet for **SC303157**

CD161 (KLRB1) (NM_002258) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD161 (KLRB1) (NM_002258) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD161
Synonyms:	CD161; CLEC5B; hNKR-P1A; NKR; NKR-P1; NKR-P1A; NKRP1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303157 representing NM_002258. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACCAACAAGCAATATATGCTGAGTTAACTTACCCACAGACTCAGGCCAGAAAGTTCTTACCT
TCATCTCTTCTCGGGATGTCTGTGAGGTTACCTTGGCATCAATTTGCCCTGAAACTAGCTGTGCT
GGGATTATTCTCTTGTCTTGGTTGTTACTGGTTGAGTGTTCAGTGACATCCTAATACAGAAATCA
TCAATAGAAAAATGCAGTGTGGACATTCAACAGAGCAGGAATAAAACAACAGAGAGACCGGGTCTCTTA
AACTGCCCAATATATTGGCAGCAACTCCGAGAGAAATGCTTGTTATTTTCTCACACTGTCAACCCTTG
AATAACAGTCTAGCTGATTGTTCCACAAAGAATCCAGCCTGCTGCTTATTCGAGATAAGGATGAATTG
ATACACACACAGAACCTGATACGTGACAAAGCAATTCTGTTTTGGATTGGATTAATTTTTCATTATCA
GAAAAGAACTGGAAGTGATAAACGGCTCTTTTTAAATTCTAATGACTTAGAAATTAGAGGTGATGCT
AAAGAAAACAGCTGTATTTCCATCTCACAGACATCTGTGTATTCTGAGTACTGTAGTACAGAAATCAGA
TGGATCTGCCAAAAGAATAACACCTGTGAGAAATAAGTGTATCCTGACTCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_002258
Insert Size:	678 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_002258.2
RefSeq Size:	740 bp
RefSeq ORF:	678 bp
Locus ID:	3820
UniProt ID:	Q12918
Cytogenetics:	12p13.31
Protein Families:	Transmembrane
MW:	25.4 kDa
Gene Summary:	Natural killer (NK) cells are lymphocytes that mediate cytotoxicity and secrete cytokines after immune stimulation. Several genes of the C-type lectin superfamily, including the rodent NKR1P family of glycoproteins, are expressed by NK cells and may be involved in the regulation of NK cell function. The KLRB1 protein contains an extracellular domain with several motifs characteristic of C-type lectins, a transmembrane domain, and a cytoplasmic domain. The KLRB1 protein is classified as a type II membrane protein because it has an external C terminus. [provided by RefSeq, Jul 2008]