

Product datasheet for **SC304429**

KLRF1 (NM_016523) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLRF1 (NM_016523) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLRF1
Synonyms:	CLEC5C; NKp80
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_016523 edited CACACACATTCACACTCACATTGAAGATGCAAGATGAAGAAAGATACATGACATTGAATGTA CAGTCAAAGAAAAGGAGTTCTGCCAAACATCTCAACTTACATTTAAAGATTATTCAGTG ACGTTGCACTGGTATAAAATCTTACTGGGAATATCTGGAACCGTGAATGGTATTCTCACT TTGACTTTGATCTCCTTGATCCTGTTGGTTTCTCAGGGAGTATTGCTAAAATGCCAAAA GGAAGTTGTTCAAATGCCACTCAGTATGAGGACACTGGAGATCTAAAAGTGAATAATGGC ACAAGAAGAAATATAAGTAATAAGGACCTTTGTGCTTCGAGATCTGCAGACCAGACAGTA CTATGCCAATCAGAATGGCTCAAATACCAAGGGAAGTGTATTGGTTCTTAATGAGATG AAAAGCTGGAGTGACAGTTATGTGATTGTTTGGAAAGAAAATCTCATCTACTAATCATA CATGACCAACTTGAAATGGCTTTTATACAGAAAAACCTAAGACAATTAACCTACGTATGG ATTGGGCTTAACCTTACCTCCTTAAAAATGACATGGACTTGGGTGGATGGTTCTCCAATA GATTCAAAGATATTCTTCATAAAGGGACCAGCTAAAGAAAACAGCTGTGCTGCCATTAAG GAAAGCAAAATTTCTCTGAAACCTGCAGCAGTGTTCCTCAAATGGATTTGTCAAGTATTAG AGTTTGACAAAATTCACAGTGAATAATCAATGATCACTATTTTTGGCCTATTAGTTTC TAATATTAATCTCCAGGTGAAGATTTTAAAGTGAATTAATGCCAAAATCTCTTCTCC CTTCTCCCTCCA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016523 unedited GTACATTGTATACGACTCCTATAGGGCGGCCGGAATTCGCCCTTCACCCACACACATTC ACTCACATTGAAGATGCAAGATGAAGAAAGATACATGACATTGAATGTACAGTCAAAGAA AAGGAGTTCTGCCCAAACATCTCAACTTACATTTAAAGATTATTCAGTGACGTTGCACTG GTATAAAATCTTACTGGGAATATCTGGAACCGTGAATGGTATTCTCACTTTGACTTTGAT CTCCTTGATCCTGTTGGTTTCTCAGGGAGTATTGCTAAAATGCCAAAAAGGAAGTTGTT AAATGCCACTCAGTATGAGGACACTGGAGATCTAATAGTGAATAATGGCACAAGAAGAAA TATAAGTAATAAGGACCTTTGTGCTTCGAGATCTGCAGACCAGACAGTACTATGCCAATC AGAATGGCTCAAATACCAAGGGAAGTGTATTGGTTCTCTAATGAGATGAAAAGCTGGAG TGACAGTTATGTATTGTTTGGAAAGAAAATCTCATCTACTAATCATACATGACCAACT TGAAATGGCTTTTATACAGAAAAACCTAAGACAATTAACCTACGTATGGATTGGGCTTAA CTTTACCTCCTTGAAAATGACATGGACTTGGGTGGATGGTTCTCCAATAGATTCAAAGAT ATTCTTCATAAAGGGACCAGCTAAAGAAAACAGCTGTGCTGCCATTAAGGAAAGCAAAT TTTCTCTGAACCTGCAGCAGTGTTCATGGATTTGTCAGTATTAGAGTTTGACAAAA TTCACAGTGAAATAATCAATGATCACCTATTTTTTTGGCCTATAGTTCTATATATCTCAG GTGGTAGATTTTAAAGTGAATTAATGCCAAATCTCTCTCCCTTCTCCCTCCATTAT TGTCTAAGGGCGAATTC
Restriction Sites:	Please inquire
ACCN:	NM_016523
Insert Size:	900 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<u>NM_016523.1</u> , <u>NP_057607.1</u>
RefSeq Size:	1242 bp
RefSeq ORF:	696 bp
Locus ID:	51348
UniProt ID:	<u>Q9NZS2</u>
Cytogenetics:	12p13.31

Protein Families: Transmembrane

Gene Summary: KLRF1, an activating homodimeric C-type lectin-like receptor (CTLR), is expressed on nearly all natural killer (NK) cells and stimulates their cytotoxicity and cytokine release (Kuttruff et al., 2009 [PubMed 18922855]).[supplied by OMIM, Oct 2009]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).