

Product datasheet for **SC333336**

KLRF1 (NM_001291823) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLRF1 (NM_001291823) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLRF1
Synonyms:	CLEC5C; NKp80
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333336 representing NM_001291823. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGCAAGATGAAGAAAGATACATGACATTGAATGTACAGTCAAAGAAAAGGAGTTCTGCCAAACATCT
CAACTTACATTTAAAGATTATTCAGTGACGTTGCACTGGTATAAAATCTTACTGGGAATATCTGGAAC
GTGAATGGTATTCTCACTTTGACTTTGATCTCCTTGATCCTGTTGGATTCTTCATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001291823
Insert Size:	195 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).
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).



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Reconstitution Method:

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_001291823.1](#)

RefSeq Size: 863 bp

RefSeq ORF: 195 bp

Locus ID: 51348

UniProt ID: [Q9NZS2](#)

Cytogenetics: 12p13.31

Protein Families: Transmembrane

MW: 7.3 kDa

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 (KLRF1-s3) lacks three alternate coding exons that result in a frameshift in the 3' coding region, compared to variant 1. The encoded isoform (KLRF1-s3) has a distinct C-terminus and is significantly shorter than isoform 1.