

Product datasheet for **SC303694**

KLRG1 (NM_005810) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLRG1 (NM_005810) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLRG1
Synonyms:	2F1; CLEC15A; MAFA; MAFA-2F1; MAFA-L; MAFA-LIKE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303694 representing NM_005810. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACTGACAGTGTTATTTATTCATGTTAGAGTTGCCTACGGCAACCAAGCCAGAAATGACTATGGA
CCACAGCAAAAATCTTCCTCTCCAGGCCTTCTTGTCTTGCCTTGTTGGCAATAGCTTTGGGGCTTCTG
ACTGCAGTTCTTCTGAGTGTGCTGCTATACCAGTGGATCCTGTGCCAGGGCTCCAACACTCCACTTGT
GCCAGTGTCTAGCTGCCAGACCGCTGGATGAAATATGGTAACCATTGTTATTATTTCTCAGTGGAG
GAAAAGGACTGGAATTCTAGTCTGGAATCTGCCTAGCCAGAGACTCACACCTCCTGTGATAACGGAC
AATCAGGAAATGAGCCTGCTCCAAGTTTCTCAGTGAGGCCTTTTGTGGATTGGTCTGAGGAACAAT
TCTGGCTGGAGGTGGGAAGATGGATCACCTCTAAACTTCTCAAGGATTTCTTCTAATAGCTTTGTGCAG
ACATGCGGTGCCATCAACAAAAATGGTCTTCAAGCCTCAAGCTGTGAAGTTCCTTACACTGGGTGTGT
AAGAAGGTCAGACTTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_005810
Insert Size:	570 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:	<u>NM_005810.3</u>
RefSeq Size:	1815 bp
RefSeq ORF:	570 bp
Locus ID:	10219
UniProt ID:	<u>Q96E93</u>
Cytogenetics:	12p13.31
Protein Families:	Transmembrane
MW:	21.2 kDa
Gene Summary:	Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. The protein encoded by this gene belongs to the killer cell lectin-like receptor (KLR) family, which is a group of transmembrane proteins preferentially expressed in NK cells. Studies in mice suggested that the expression of this gene may be regulated by MHC class I molecules. [provided by RefSeq, Jun 2016]