

Product datasheet for MC213172

Klre1 (NM_153590) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klre1 (NM_153590) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Klre1
Synonyms:	Klre-1; NKG2I
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC213172 representing NM_153590 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGAAGCACCTGTAACCCGTTCTACCCTAAATGTGAATCCAGCAGAAGAGTAAAGCAAAGAACA
AGATTAAGAATACACTTAATTCAAATGAATTGTCATCCATTGAGCAGAGGAAAAATACCAGAAACATCT
TAAGAAGCACAAAACACAGCAGAAGACATCAGTGGTAAAGGGAATTGCTCACCTCCATGGAGGCTTCTC
TCGAGTGTGCTCGGTGCCATGTGCCTTCTCCTGATGGCTGTAGCCATGGTGATGACCACTTTTACCACAA
AGTCATCTTCTGAAAGATCATCTTCTACTATTTCAGCAAGAAGGGCTCCATCATCCCTGTCCAGAGAACTG
GGTCTGGTTTCAGGTGCAGCTGTTATTTCTTCTCCAAGGAAGAGCTAATTTGGAGAGACAGTCAGCGTGCC
TGCTTGTCTCTTAAGTCCAGTCTCATAAGGATGAACAAAGAGGAAATGAATTTCTTCTTTGAAGTCTT
TCTTTGGGTTGGAGTTTACTATAATGAACTCGCAGACAGTGGCTGTGGGAAGACCATTTCGGTTTACC
CTCTGGGCTGTTTCTAACTTGAAGCTAATATGAAAACTTCTGTGCATCTTATAAATCAAAGAAGCT
TATATGAAGAAAAGTGTGCAACAACTGACATATATTGCAAGAAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_153590
Insert Size:	681 bp


[View online »](#)

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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_153590.3 , NP_705818.3
RefSeq Size:	927 bp
RefSeq ORF:	681 bp
Locus ID:	243655
UniProt ID:	Q8CJC7
Cytogenetics:	6 F3
Gene Summary:	Lectin-like receptor for natural killer (NK) cells (PubMed:14707119, PubMed:15069013, PubMed:18713988). Can either inhibit or activate NK cell cytotoxic activity, depending on its binding partner (PubMed:14707119, PubMed:15069013, PubMed:18713988). Heterodimer formation with KLRI1 mediates NK cell inhibition whereas heterodimer formation with KLRI2 mediates NK cell activation (PubMed:18713988). Plays a role in allogeneic recognition by the immune system (PubMed:14707119, PubMed:15069013).[UniProtKB/Swiss-Prot Function]