

Product datasheet for **MC208832**

Klra2 (NM_008462) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klra2 (NM_008462) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Klra2
Synonyms:	Klra30; Ly49; Ly49b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208832 representing NM_008462 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGAGCAGGAGGTCACTTACACAACCTCTGAGATTCATAAGTCTTCAGGGTTCAGAACCCAGTGA
GGCCTGAGGAGACTCAAAGGCCAGAGATGTGGCCACAGAGAGTTCAGTCCCCTGGAAGTTCATTGT
GATAGTCTTGAATCCTCTGTTTCCTTCTGCTGGTAAGTGTGGCAGTGTGGTGATACACATTTCCGG
GATGGACAAGAGAAACATGAACAGGAGAAAACCTAAATAACCTCCGTCAGAGTACCAGGTCATGAAAA
ATGACAGCTCCTAATGGAAGAAATGTTAAGAAAATAAGTCTTCAGAGTGAAGGCCCTCAATGATAGCCT
GCACTACCTCAACAGAGAACAGAACAGATGCCTCAGGAAAACCAAGATTGTTTTAGATTGCTCACAGAAC
AAAGGCAAGCAAGTGAAGGATACTGGTTCGCTGTGGCATGAAATGTTATTATTCATCATGGATGATA
AAAAATTGAAAGGATGTAACAGATCTGCCAGGCTTACAACCTTAACCTTTTGAAGACAAATGATGAGGA
TGAATTGAAGTTCCTTAATCCCAACTTCAAAGAAACACATACTGGATTGCACTGACACATCACGAAAGC
AAAGAGGAATCGCAACAGATTGGTGATAGACCATCTAACCTGTTTCAGCAGCAAGGAATTCAGTACCTA
ATAGAGAAAAGTGTGCATATCTAAATTCATTTTCTACAGAAGAGGATGACCGTGTAGAAATCATGGTTG
TATTTGTGAAAAGAGATTGAATAAATTCCTATTCCAGGGAGCTGTGCCAAGGGAAGAACTCAATCTGCT
CTGCAGAGGGATGAAGATGAAAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_008462
Insert Size:	867 bp



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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:	<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_008462.5 , NP_032488.4
RefSeq Size:	1787 bp
RefSeq ORF:	867 bp
Locus ID:	16633
Cytogenetics:	6 63.44 cM
Gene Summary:	<p>The gene is a member of the large lectin-like type 2 transmembrane receptor family of the natural killer gene complex. The gene is located distantly telomeric to its family's gene cluster on chromosome 6. The gene differs from the other genes in its cluster as its promoter region contains long and short interspersed repetitive elements suggesting a possible rearrangement or gene conversion. It is unknown whether this gene's encoded protein is involved with natural killer cell differentiation as are its other family members. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2010]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>