

Product datasheet for MC208581

Cmklr1 (NM_008153) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cmklr1 (NM_008153) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cmklr1
Synonyms:	ChemR23; DEZ; Gpcr27; mcmklr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208581 representing NM_008153 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTACGACGCTTACAACGACTCCGGCATCTATGATGATGAGTACTCTGATGGCTTTGGCTACTTTG
TGGACTTGGAGGAGGCGAGTCCGTGGGAGGCCAAGGTGGCCCCGGTCTTCTCGTGGTGTACTACAGCTT
GGTGTGCTTCTCGGTCTCCTAGCAACGGCCTGGTGATTGTCATCGCCACCTTCAAGATGAAGAAGACC
GTGAACACTGTGTGGTTGTCAACCTGGCTGTGGCCGACTTCTGTTCAACATCTTTTGGCGATGCACA
TCACCTACGCGCCATGGACTACCACTGGGTGTTCCGGGAAGGCCATGTGCAAGATCAGCAACTTCTTGCT
CAGCCACAACATGTACACCAGCGTCTTCTGCTGACTGTTCATCAGCTTTGACCGCTGCATCTCCGTGCTG
CTCCCCGTCTGGTCCCAGAACCACCGCAGCATCCGCCTGGCCTACATGACCTGCTCGGCCGTCTGGGTCC
TGGCTTTCTTCTGAGCTCCCCGTCCCTTGTCTTCCGGGACACCGCCAACATTATGGGAAGATAACCTG
CTTCAACAACCTCAGCTTGGCCGCGCCTGAGTCTCCCAACATCCCGCCACTCGCAAGTAGTTCCACA
GGGTACAGCAGACAGTGGCGGTCACTGTACCCGCTTCTTTGGCGTCTCTGATCCCCGTCTTTCATCA
TCACGGCTGCTACCTTACCATCGTCTTCAAGCTGCAGCGCAACCGCCTGGCCAAGAACAAGAAGCCCTT
CAAGATCATTATACCATCATCATCACCTTCTTCTCTGCTGGTGCCCTACCACACCCTTACCTGCTG
GAGCTCCACCACAGCTGTGCCAAGCTGTCTTCCAGCTGGGGCTACCCTGGCCACGGCCGCTCGCCA
TCGCCAACAGCTGCATGAACCCATTCTGTACGTCTTATGGGCCACGACTTCAGAAAATTAAGGTGGC
CCTCTTCTCCCGCTGGCCAACGCCCTGAGTGAGGACACAGGCCCTCCTCCTACCCAGTCACAGGAGC
TTCACCAAGATGTCGCTTTGAATGAGAAGGCTTCGGTGAATGAGAAGGAGACCAGTACCCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI



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ACCN:	NM_008153
Insert Size:	1116 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).
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:	BC100612 , AAI00613
RefSeq Size:	2858 bp
RefSeq ORF:	1116 bp
Locus ID:	14747
UniProt ID:	P97468
Cytogenetics:	5 F
Gene Summary:	<p>Receptor for the chemoattractant adipokine chemerin/RARRES2 and for the omega-3 fatty acid derived molecule resolvin E1. Interaction with RARRES2 induces activation of intracellular signaling molecules, such as SKY, MAPK1/3 (ERK1/2), MAPK14/P38MAPK and PI3K leading to multifunctional effects, like reduction of immune responses, enhancing of adipogenesis and angiogenesis. Resolvin E1 down-regulates cytokine production in macrophages by reducing the activation of MAPK1/3 (ERK1/2) and NF-kappa-B (By similarity). Positively regulates adipogenesis and adipocyte metabolism.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein. 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>