

Product datasheet for **MG226738**

Cmklr1 (NM_008153) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cmklr1 (NM_008153) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cmklr1
Synonyms:	ChemR23; DEZ; Gpcr27; mcmklr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226738 representing NM_008153 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTACGACGCTTACAACGACTCCGGCATCTATGATGATGAGTACTCTGATGGCTTTGGCTACTTTG
TGGACTTGGAGGAGGCGAGTCCGTGGGAGGCCAAGGTGGCCCCGGTCTTCCTGGTGGTATCTACAGCTT
GGTGTGCTTCTCGGTCTCCTAGGCAACGGCCTGGTGATTGTATCGCCACCTTCAAGATGAAGAAGACC
GTGAACACTGTGTGTTTGTCAACCTGGCTGTGGCCGACTTCTGTTCACATCTTTTTGCCGATGCACA
TCACCTACGCGGCATGGACTACCACTGGGTGTTCCGGGAAGCCATGTGCAAGATCAGCAACTTCTTGCT
CAGCCACAACATGTACACCAGCGTCTTCCTGCTGACTGTATCAGCTTTGACCGCTGCATCTCCGTGCTG
CTCCCCGTCTGGTCCCAGAACCACCGCAGCATCCGCCTGGCTACATGACCTGCTCGGCCGTCTGGGTCC
TGGCTTTCTTCTGAGCTCCCCGTCCCTTGTCTTCCGGGACACCGCCAACATTATGGGAAGATAACCTG
CTTCAACAACCTCAGCTTGGCCGCGCTGAGTCTCCCCACATCCCGCCACTCGCAAGTAGTTCCACA
GGGTACAGCAGACAGTGGCGGTCACTGTACCCGCTTCTTTGGCGTCTCTGATCCCCGTCTTCATCA
TCACGGCTGCTACCTTACCATCGTCTTCAAGCTGCAGCGCAACCGCCTGGCCAAGAACAAGAAGCCCTT
CAAGATCATTATACCATCATCATCACCTTCTTCTCTGCTGGTGCCCTACCACACCTCTACCTGCTG
GAGCTCCACCACAGCTGTGCCAAGCTGTCTTCAGCCTGGGGCTACCCTGGCCACGGCCGCTCGCCA
TCGCCAACAGCTGCATGAACCCATTCTGTACGTCTTCATGGGCCACGACTTCAGAAAAATCAAGGTGGC
CCTCTTCTCCCGCTGGCCAACGCCCTGAGTGAGGACACAGGCCCTCCTCTACCCAGTCACAGGAGC
TTCACCAAGATGTCGCTTTGAATGAGAAGGCTTCGGTGAATGAGAAGGAGACCAGTACCCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG226738 representing NM_008153
 Red=Cloning site Green=Tags(s)

MEYDAYNDSGIYDDEYSDFGYFVDLEEASPWAKVAPVFLVVIYSLVCFLGLLGNGLVIVIAATFKMKKT
 VNTVWFVNLAVADFLFNIFLPMHITYAAMDYHWVFGKAMCKISNLLSHNMYTSVFLLTVISDFDRCISVL
 LPVWSQNHRSIRLAYMTCASAVWVLAFFLSSPSLVFRDTANIHGKITCFNNFSLAAPESPSPHAPSQVST
 GYSRHHVAVTVTRFLCGFLIPVFIITACYLTIVFKLQRNRLAKNKKPFKIIITIIITFFLCWCPYHTLYLL
 ELHHTAVPSSVFLGLPLATAVAIANSCMNPILYVFMGHDFRKFVLFRLANALSEDTPSSYPSHRS
 FTKMSSLNEKASVNEKETSTL

TRTRPLE - GFP Tag - V

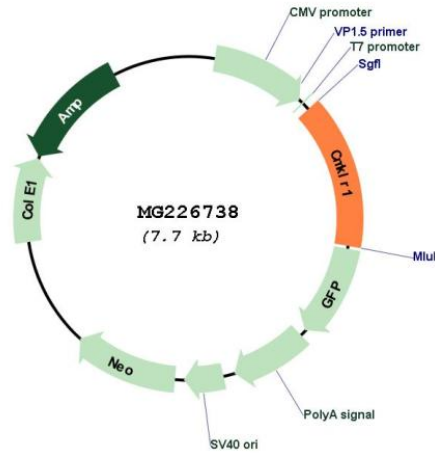
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_008153

ORF Size:	1113 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_008153.3 , NP_032179.1
RefSeq Size:	2845 bp
RefSeq ORF:	1116 bp
Locus ID:	14747
UniProt ID:	P97468
Cytogenetics:	5 F
Gene Summary:	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]