

Product datasheet for **MG218952**

Calcr1 (NM_018782) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calcr1 (NM_018782) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Calcr1
Synonyms:	AV071593; CRLR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218952 representing NM_018782
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATAAAAAGCATATACTATGTTTTCTGGTTCTCTTGCTCTTAATATGGCTCTCATCTCAGCAGAGT
 CGGAAGAAGCGTGAACCAACAGACTTGGGAGTCACTAGAAACAAGATCATGACGGCTCAATATGAATG
 TTACCAGAAGATCATGCAGGACCCATTCAACAAGCAGAAGGCCTTTACTGCAATAGGACCTGGGACGGA
 TGGCTATGCTGGAATGACGTTGCAGCAGGGACGGAATCAATGCAGTACTGCCCTGACTATTTTCAGGATT
 TTGATCCTTCAGAGAAGGTTACAAAGATCTGTGACCAAGATGGACTGGTTTCGGCATCCGGATAGTAA
 TAGAACATGGACCAACTACACCCTGTGTAATAACAGCACGCATGAGAAAGTGAAGACAGCCCTGAATCTG
 TTCTACCTAACTATAATTGGACATGGATTATCTATTGCATCTCTGATCATCTCTCTCATCATATTTTTTT
 ACTTCAAGAGCCTAAGTTGCCAACGGATCACATTGCATAAAAACCTGTTCTTTTCATTTATTTGTAATTC
 GATTGTAACAATCATCCACCTCACGGCAGTGGCCAATAACAGGCCTTAGTGGCCACAAATCCTGTGAGC
 TGCAAAGTGTCTCAGTTTATCCATCTCTACCTGATGGGCTGTAACACTTCTGGATGCTCTGTGAAGGCG
 TTTACCTGCACACTCATCGTGGTGGCTGTGTTTGGGAGAAGCAGCACTTGATGTGGTATTATTTTCT
 CGGCTGGGGGTTTCTCTGCTTCTGCCTGCATCCACGCCATTGCCAGAAGCTTGATTACAACGACAAT
 TGCTGGATCAGCTCAGACACTCATCTCCTCTACATTATCCATGGTCCGATTTGTGCTGCTTTGTTGGTAA
 ATCTCTTTTTCTATTAATATTGTACGTGTTCTCATACCAAGTTGAAAGTTACACACCAAGTGGAAATC
 CAATCTCTACATGAAAGCCGTAAGAGCTACTCTCATCTTGGTACCACTACTTGGCATTGAATTTGTGCTT
 TTTCCGTGGCGCCTGAAGGAAAGGTTGCAGAGGAGGTGATGACTATGTCATGCACATTTTGTGATCAT
 TTCAGGGTCTTTTGGTGGCTACTATTTTCTGCTCTTTAATGGAGAGTTCAAGCAATTCGAGAAGAAA
 TTGGAACCAAGTATAAAAATCCAATTTGAAATGGCTTTTCCCACTCTGATGCTCTCCGCAAGTGCATCTAC
 ACAGTGTCAACAATCAGTGACATGCAAGGTACAGCCATGACTGCCCCACTGAACACTTAAATGGAAAAA
 GCATCCAGGATATTGAAATGTTGCCTTAAATCAGAAAAATGTATGATCTAGTGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG218952 representing NM_018782
 Red=Cloning site Green=Tags(s)

MDKKHILCFLVLLPLNMLISAEESEGVNQDLDGVTRNKIMTAQYECYQKIMQDPIQQAEGLYCNRWDG
 WLCWNDVAAGTESMQYCPDYFQDFDPSEKVTIKCDQDGHWFRRHPDSNRWTNYTLCNNSTHEKVKTALNL
 FYLTIIGHGLSIASLIISLIIFFYFKSLSCQRITLHKNLFFSFCNSIVTIIHLTAVANNQALVATNPVS
 CKVVSQFIHLYLMGCNYFWMLCEGVYHLTLIVVAVFAEKQHLMWYFYLWGFPLLPACIHAIARSLYNDN
 CWISSDTHLLYIIHGPICAALLVNLFFLLNIVRVLITKLVTHQVESNL YMKAVRATLILVPLLGIIEFVL
 FPWRPEGKVAEEVYDYVMHILMHFQGLLVATIFCFNGEVQAILRRNWNQYKIQFNGFSDALRSASY
 TVSTISDMQGYSHDCPTEHLNGKSIQDIENVALKSENMVYDLVM

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	<p>NM_018782.2, NP_061252.2</p>
RefSeq Size:	<p>4761 bp</p>
RefSeq ORF:	<p>1392 bp</p>
Locus ID:	<p>54598</p>
UniProt ID:	<p>Q9R1W5</p>
Cytogenetics:	<p>2 D</p>
Gene Summary:	<p>Receptor for calcitonin-gene-related peptide (CGRP) together with RAMP1 and receptor for adrenomedullin together with RAMP2 or RAMP3. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase (By similarity).[UniProtKB/Swiss-Prot Function]</p>