

Product datasheet for **MC217556**

Calcr (NM_007588) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calcr (NM_007588) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Calcr
Synonyms:	Clr; Ct-r
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217556 representing NM_007588
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTCCAAGGAGTCCAGAGTGAAAAGCGGGAATCTCCGCAAACCGAAGATGAGGTTCTTCTCGTGA
 ACAGGTTACCCCTGCTGCTCCTAGTGAGCCAACTCCAGTTCTCAGGCTCCTACCAATCTCAC
 TGACTCCGGCCTTGATCAGGAGCCATTCCTGTACTTGGTTGGCCGAAGAAGCTGCTGGATGCTCAGTAC
 AAATGCTATGACCGGATTCATCAGTTGCCCTCTTATGAAGGAGAAGGTCTGTACTGCAACCGCACCTGGG
 ATGGCTGGATGTCTGGGACGACTCCCGCTGGAGCCACAGCCTATCAGCACTGCCCTGACTACTTCCC
 GGACTTTGACACAGCAGAAAAGTTTCAAATACTGTGATGAAAATGGAGAGTGGTTTAGACACCCTGAC
 AGCAACCGAACCTGGTCCAATACTCTGTGCAACGCTTTCCTTCTGAGAACTGCAAAATGCGTACG
 TTCTTTATTACCTGGCTCTTGTGGTCACTCCTTGTGATGCTGCTTTGGTTGCTTCCATGCTGATCTT
 CTGGATTTTCAAGAACCTTAGTCCAGAGGGTGACCTTGCAAGCACATGTTCCCTTACTTATATTCTG
 AATTCTATCATTATCATCATCCACTGGTTGAGGTTGTGCCCAATGGAGATCTGGTGCAGCGGGATCCTA
 TGCATATTTTTATCATAACACACATATGTGGACAATGCAGTGGGAACTGTCACCACCCTTACCCCTGAG
 TGCACACGAGGAAAAGATGGACCCTCATGCCAGTGAAGTGATAAGTTGCAAGTTCTACACTTTTTACAT
 CAGTACATGATGTCTTGAACACTTCTGGATGCTCTGCGAGGGGATCTATCTTCATACTCTGATTGTCA
 TGGCTGTGTTTACCGACGAGCAACGCCTACGCTGGTACTATCTTCTTGGCTGGGGTTCCCGATAGTGCC
 AACCATATCCACGCCATCACTCGTGCCCTCTACTACAACGACAACCTGCTGGCTGAGTGCAGAAACCCAC
 TTGCTTTACATCATCCATGGACCCGTATGGTGGCTCTGGTGGTCAACTTCTTCTTCTTCTCAACATTG
 TCCGCGTGCTTGTGACCAAGATGAGGCAAACCCACGAGGCCGAGTCTACATGTACCTGAAGGCTGTGAA
 GGCCACCATGGTCTTGTGCCCTGCTGGGGATCCAGTTTGTGTTTCCCTGGAGGCCCTCCAACAAG
 GTGCTTGGGAAGATCTATGATTATCTCATGCACTCTCTGATTCAATTTCCAGGGATTCTTTGTGGCGACTA
 TCTACTGTTCTGCAACCATGAGGTGCAAGTCACCCTGAAGCGCCAGTGGACGCAGTTCAAGATCCAGTG
 GAGCCAACGCTGGGAAGGCGCCGCCCCCAACCGCGTAGTTAGTGTCTCTCGGGCTGTAGCCTTC
 GCTGAGCCAGATGGCCTCCCATTTACATCTGCCATCAGGAACCGGAATCCTCCAATCAGCAACAACG
 AAGCGGAGGAGTACTGAAATGATCCCATGAACGTCATCCAGCAAGACGCATCCGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_007588

Insert Size: 1602 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:

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_007588.2](#), [NP_031614.2](#)

RefSeq Size: 3831 bp

RefSeq ORF: 1602 bp

Locus ID: 12311

UniProt ID: [Q60755](#)

Cytogenetics: 6 1.81 cM

Gene Summary: This is a receptor for calcitonin. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. The calcitonin receptor is thought to couple to the heterotrimeric guanosine triphosphate-binding protein that is sensitive to cholera toxin.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1b), previously called a, represents the longer variant and encodes the longer isoform (1b, previously called a).