

Product datasheet for **RN200229**

Calcr (NM_001034015) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calcr (NM_001034015) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Calcr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200229 representing NM_001034015
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTCCACGGAGATCCAGAATGAAAAGCGGAACTCCGAAAACCGAAGATGAGGTTCTTCTCCTGA
 ACAGGTTACCCCTGCTGCTCCTGCTCCTAGTGAGCCCTACTCCAGTTCTTCAGGCTCCTACCAATCTCAC
 TGACTCCGGCCTTGATCAGGAGCCATTCTGTACTTGGTTGGACGCAAGAAGCTTCTGGATGCTCAGTAC
 AAGTGCTATGACCGGATTAGCAGTTGCCCCCTTATGAGGGAGAAGGTCCATATTGCAACCGAACTTGGG
 ATGGATGGATGTGCTGGGACGACTCCAGCTGGTGAATGTCCTATCAGCACTGCCCTGACTACTTTCC
 GGACTTTGACCCAACAGAAAAGTTTCAAATACTGCGATGAAAATGGAGAGTGGTTAGACACCCTGAC
 AGCAACCGAACCTGGTCCAACACTACTCTGTGCAATGCCTTCACTCCTGACAACTGCATAATGCATACG
 TTCTTTATTACCTAGCACTTGTGGCCACTCCATGTCAATTGCTGCTCTGATTGCTTCCATGGGGATCTT
 CTTGTTTTCAAGAACCTTAGTGCCAGAGAGTACTCTGCACAAGAACATGTTCCCTCACTTATATCCTG
 AACTCTATCATTATCATCATCCACTGGTTGAGGTTGTGCCAAATGGAGACCTGGTGCGACGGGATCCTA
 TAAGTTGCAAGATTCTGCACTTTTTCCATCAGTACATGATGGCTTGAACACTTCTGGATGCTGTGTGA
 GGGGATCTATCTTCACTCTGATCGTCATGGCTGTGTTACCGAGGATCAACGCTCTGCGCTGGTACTAT
 TTAAGTGGCTGGGGTTCCCAATAGTGCCAACCTATTATCCATGCCATTACTCGTGCCGCTCTACTACAACG
 ACAACTGTTGGCTGAGTACGGAGACCCACTTGCCTTACATCATCCATGGACCCGTCATGGCGGCTCTGGT
 GGTCACCTTCTTCTTCTGCTCAACATTGTCGGTGTGCTGTGACCAAGATGAGGCAAACCCATGAAGCC
 GAGGCCATACGTACCTGAAGGCTGTAAGGCCACCATGGTCTTGTGCCCTGCTGGGGATCCAGTTTG
 TTGTGTTCCCTGGAGGCCCTCCAACAAGTGTGGGAAGATCTATGATTATCTCATGCACTCTGTGAT
 TCAATTTCCAGGGATTCTTTGTCGCGACTATCTACTGCTTCTGTAACCATGAGGTGCAAGTGACCCTGAAG
 CGTCAGTGGGCGCAGTTCAAGATCCAGTGGAGCCATCGCTGGGGTAGGCGCCGCCCCCAACCGAG
 TGGTTAGCGCTCCTCGTCTGTAGCCTTTGCGAACCAGGTGGCCTCCCCATTTACATCTGCCATCAGGA
 ACCAAGGAATCTCCAGTCAGCAACAACGAAGCGAAGAGGGTACTGAAATGATCCCCATGAATGTCATC
 CAGCAAGACTCATCCGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2295_a08.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_001034015

Insert Size: 1491 bp

OTI Disclaimer: 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.

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](#)

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:	<u>NM_001034015.1, NP_001029187.1</u>
RefSeq Size:	3433 bp
RefSeq ORF:	1491 bp
Locus ID:	116506
UniProt ID:	<u>P32214</u>
Cytogenetics:	4q13
Gene Summary:	receptor for calcitonin; acts via adenylate cyclase signaling [RGD, Feb 2006] Transcript Variant: This variant (1a, previously called 2), lacks an alternate in-frame exon compared to variant 1b. The resulting isoform (1a, previously called b), has the same N- and C-termini but is shorter compared to isoform 1b.