

Product datasheet for **RR200229**

Calcr (NM_001034015) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR200229 representing NM_001034015
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTCCACGGAGATCCAGAATGAAAAGCGGAACTCCGAAAACCGAAGATGAGGTTCTTCTCCTGA
 ACAGGTTACCCCTGCTGCTCCTGCTCCTAGTGAGCCCTACTCCAGTTCTTCAGGCTCCTACCAATCTCAC
 TGACTCCGGCCTTGATCAGGAGCCATTCTGTACTTGGTTGGACGCAAGAAGCTTCTGGATGCTCAGTAC
 AAGTGCTATGACCGGATTGACGAGTTGCCCTTATGAGGGAGAAGTCCATATTGCAACCGAACTTGGG
 ATGGATGGATGTGCTGGGACGACTCCAGCTGGTGAATGTCCTATCAGCACTGCCCTGACTACTTTCC
 GGACTTTGACCCAACAGAAAAGTTTCAAATACTGCGATGAAAATGGAGAGTGGTTAGACACCCTGAC
 AGCAACCGAACCTGGTCCAACACTACTCTGTGCAATGCCTTCACTCCTGACAACTGCATAATGCATACG
 TTCTTTATTACCTAGCACTTGTGGCCACTCCATGTCAATTGCTGCTCTGATTGCTTCCATGGGGATCTT
 CTTGTTTTCAAGAACCTTAGCTGCCAGAGAGTACTCTGCACAAGAACATGTTCTCCTACTTATATCCTG
 AACTCTATCATTATCATCATCCACTGGTTGAGGTTGTGCCCAATGGAGACCTGGTGGCAGCGGGATCCTA
 TAAGTTGCAAGATTCTGCACTTTTTCCATCAGTACATGATGGCTTGAACACTTCTGGATGCTGTGTGA
 GGGGATCTATCTTCACTCTGATCGTCATGGCTGTGTTACCGAGGATCAACGCTCTGCGCTGGTACTAT
 TTAAGTGGCTGGGGTTCCCAATAGTGCCAACCTATTATCCATGCCATTACTCGTGCCGCTACTACAACG
 ACAACTGTTGGCTGAGTACGGAGACCCACTTGTCTTACATCATCCATGGACCCGTCATGGCGGCTCTGGT
 GGTCACCTTCTTCTTCTGCTCAACATTGTCCGTGTGCTGTGACCAAGATGAGGCAAACCCATGAAGCC
 GAGGCCACATGTACCTGAAGGCTGTAAGGCCACCATGGTCTTGTGCCCTGCTGGGGATCCAGTTTG
 TTGTGTTCCCTGGAGGCCCTCAACAAGTCTTGGGAAGATCTATGATTATCTCATGCACTCTCTGAT
 TCATTTCCAGGGATTCTTTGTCGCGACTATCTACTGCTTCTGTAACCATGAGGTGCAAGTGACCCTGAAG
 CGTCAGTGGGCGCAGTTCAAGATCCAGTGGAGCCATCGCTGGGGTAGGCGCCGCCCCCAACCGAG
 TGGTTAGCGCTCCTCGTCTGTAGCCTTTGCGAACCAGGTGGCCTCCCATTTACATCTGCCATCAGGA
 ACCAAGGAATCTCCAGTCAGCAACAACGAAGCGAAGAGGGTACTGAAATGATCCCATGAATGTCATC
 CAGCAAGACTCATCCGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200229 representing NM_001034015
 Red=Cloning site Green=Tags(s)

MTPRRSRMKRRNLRKPKMRFLLLNRFTLLLLLLVSPTPVLQAPTNLDSGLDQEPFLYLVRKLLDAQY
 KCYDRIQQLPPYEGERPYCNRTWDGWMCWDDTPAGVMSYQHCPDYFPDFDPTKVSKYCDENGEWFRHPD
 SNRTWSNYTLCNFTPKLHNAYVLYLALVGHSMIAALIASMGIFLFFKNLSCQRVTLHKNMFLTYIL
 NSIIIIHLVEVVPNGDLVRRDPISCKILHFFHQYMMACNYFWMLCEGIYLHTLIVMAVFTEDQRLRWYY
 LLGWGFPIVPTIIHAITRAVYYNDNCWLSTETHLLYIIHGPMVAALVVNFFLLNIVRVLVTKMRQTHEA
 EAYMYLKAVKATMVLVPLLGIFVFPWRPSNKVLGKIYDYLHSLIHFQGFVATIYFCNHEVQVTLK
 RQWAQFKIQWSHRWRRRRPTNRVVSAPRAVFAEPGGLPIYICHQEPNPPVSNNEGEEGTEMIPMNVI
 QQDSSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1820_b11.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001034015

ORF Size: 1488 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

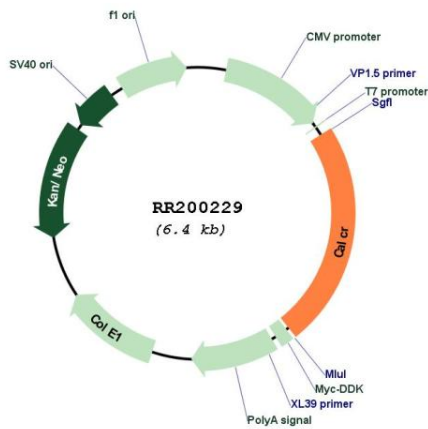
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
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_001034015.1](#), [NP_001029187.1](#)

RefSeq Size: 3433 bp
 RefSeq ORF: 1491 bp
 Locus ID: 116506
 UniProt ID: [P32214](#)
 Cytogenetics: 4q13
 MW: 58.5 kDa
 Gene Summary: receptor for calcitonin; acts via adenylate cyclase signaling [RGD, Feb 2006]

Product images:



Circular map for RR200229