

Product datasheet for **RR208676**

Grem2 (NM_001105974) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Grem2 (NM_001105974) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Grem2
Synonyms: RGD1560008
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR208676 representing NM_001105974
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTCTGGAAGCTCTCGCTGACCTTGCTCCTGGTGGCTGTGCTGGTAAAGGTAGCCGAAACACGGAAGA
 ACAGGCCCTGCGGGCGCCATCCCCTCGCCTTACAAGGATGGTAGCACCAACAACCTCAGAGAGATGGCATCA
 CCAGATCAAGGAGGTGCTGGCCTCCAGCCAGGAGGCCCTGGTGGTCAACGAGCGCAAGTACCTGAAGAGT
 GACTGGTGAAGACGCAGCCACTGCGGCAGACGGTGAGCGAGGAGGGTTGCCGAGCCGACCATCTCA
 ACCGCTTTTGCTATGGCCAGTGAACCTCTTCTACATCCCACGACACGTGAAAAAGGAGGAGGACTCCTT
 CCAATCTGCGCTTTCTGCAAGCCCAGCGTGTACCTCTGTATCGTGGAGCTCGAATGCCCGGGTCTC
 GATCCACCTTTCCGAATCAAGAAGATCCAGAAGGTGAAGCATTGCCGGTGCATGTCGGTGAACCTCAGTG
 ACTCTGACAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208676 representing NM_001105974
 Red=Cloning site Green=Tags(s)

MFWKLSL TLLL VAVL VKVAETRKNRPAGAI PPSYKDGSTNNSERWHHQI KEVLASSQEAL VVTERKYLKS
 DWCKTQPLRQTVSEEGCRSRTILNRFYGCNSFYIPRHVKKEEDSFQSCAFCKPQRVTSVIVELECPGL
 DPPFRIKKIQVKHCRMSVNLSDSDKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_001105974

ORF Size: 504 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:

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_001105974.1](#), [NP_001099444.1](#)

RefSeq Size: 3719 bp

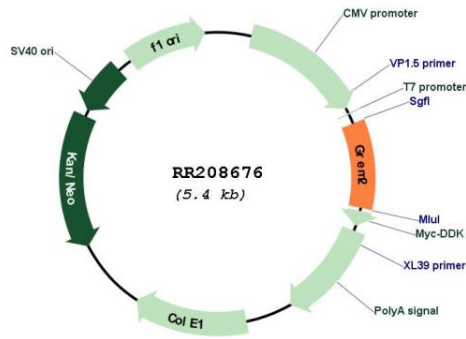
RefSeq ORF: 507 bp

Locus ID: 289264

Cytogenetics: 13q24

MW: 19.3 kDa

Product images:



Circular map for RR208676