

Product datasheet for **RR203837**

Gorasp1 (NM_019385) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gorasp1 (NM_019385) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gorasp1
Synonyms:	GRASP65
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR203837 representing NM_019385
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGCTAGGGGCAAGCAGCGAGCAGCCGGCGGGCGGAGGGCTTCCATCTGCACGGGTACAAGAGA
ACTCGCCAGCCCAGCAGCGGGCCTGGAGCCCTACTTTGACTTCATCATCACCATCGGGCACTCAAGGCT
GAACAAGGAGAATGACACGCTGAAGGCACTGCTGAAGGCTAATGTGGAGAAGCCGGTGAAGCTGGAGGTG
TTCAACATGAAGACCATGAGGGTGCAGAGGTGGAGGTGGTCCAGCAACATGTGGGGCGCCAGGGCC
TGCTGGGAGCTAGCGTGCCTTCTGCAGCTTCCGACGGGCCAGCAGCACGTGTGGCATGTGCTGGATGT
GGAGCCCTCTTACCCGCTGCCTTGCCGGCCTGCGCCCTTACACAGACTACATTGTTGGCTCTGACCAG
ATCCTCCAGGAGTCGGAAGACTTCTTCACTCTCATTGAGTCCCATGAGGGAAAGCCCTGAAGCTGATGG
TTTATAACTCTGAATCCGACTCCTGCCGGGAGGTGACTGTGACCCCAATGCAGCCTGGGGTGGAGAGGG
CAGTCTGGGGTGTGGTATTGGTTACGGGTACCTGCACCGGATCCCAACGCAGCCCTCCAGCCAGTACAAG
AAGCCACCAGTGCCTCATCACCTGGCACTCCAGCTAAGACCCCAACCTAATGCCTTTCTCTTGGTG
CCCCACCACCTTGGCCATCCCTCAGGACTCTTCTGGCCAGAGCTGGGTCCAGGCAGAGTGACTACAT
GGAGGCCCTTACCACAGTCCCTGGTGGCTTATGGAGGAGCAGCTCCCTGGGCTGGGAGTCTGGCCAT
GGCACTGCTGACTATGGGGGATGCCTACATTCCATGGAGATCCCGCTTACGCTCCACCTCCAGTCCAGC
GGGTATGAGCCAGGCTTCTGGATGTGTGAGGATGTCCCTCTGGACAGCAGCAATACAAGTGTGTG
CCCCAGCTTGTATCTTCTCATTGCTGACCCCTACAGCTGTTTACGCTTAGGACCAGAGGACATTGGT
TCCAGCAGCAGTTCTCATGAGCGGGTGGTGGGCCACGTGGTCCAGGGTCCAGAGTTCGAGATCTCCTTCC
CCGACAGTCCAGGCTCCAGGCCAGTGGACCCTGCCCGGCTGACTCTCCTGATGGCTCCAGTCCAGTCC
TGCAGCTTCAACGAGAAGGGCTGTCTGAGAAGTCTGGAAGCACAGACCAGGAACCCAGCAGACACA
GCCAGCCTGGATTGCATGGCAGAGACTGAGGGCCAGCCGGCCAAGTCCAGGCTGCCCCAGATCCAGAGC
CTGGGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203837 representing NM_019385
Red=Cloning site Green=Tags(s)

MGLGASSEQPAGGEGFHLHGVQENSPAQQAGLEPYDFIITIGHSRLNKENDTLKALLKANVEKPKVLEV
FNMKTMRVREVEVPSNMWGGQGLLGASVRFCSFRASEHVWHVLDVEPSSPAALAGLRPYTDYIVGSDQ
ILQESEDFFTLIESHEGKPLKLMVYNSESDSCREVTVTPNAAWGGEGSLGCGIGYGYLHRIPTQPSSQYK
KPPSASSPGTPAKTPQNAFPLGAPPWPVQDSSGPELGSRSQSDYMEALPQVPGGFMEELPGPGSPGH
GTADYGGCLHSMIPLQPPPVQRMVDPGFLDVSGMSLLDSSNTSVCPSLSSSSLLTPTAVSALGPEDIG
SSSSSHERGGEATWSGSEFEISFPDSPGSQAQVDHLPRLLTPDGLTSAASPEEGLSAELLEAQTEEPADT
ASLDCMAETEGPAGQVQAAPDPEPGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

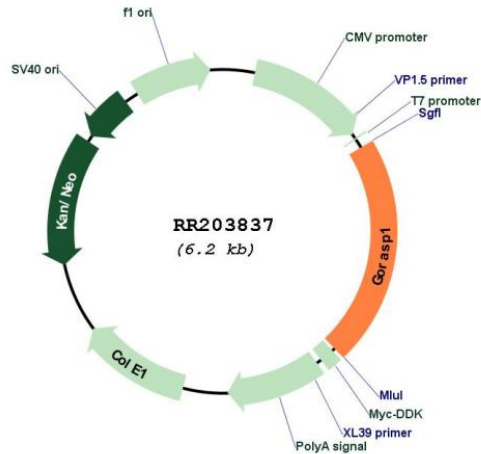
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019385

ORF Size: 1338 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_019385.2](#), [NP_062258.2](#)

RefSeq Size: 2548 bp

RefSeq ORF: 1341 bp

Locus ID: 56082

Cytogenetics: 8q32

MW: 47.1 kDa

Gene Summary: plays a role in stacking Golgi cisternae during the disassembly and reassembly of the Golgi apparatus in mitosis [RGD, Feb 2006]