

Product datasheet for **RG233940**

GORASP2 (NM_001201428) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GORASP2 (NM_001201428) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GORASP2
Synonyms:	GOLPH6; GRASP55; GRS2; p59
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233940 representing NM_001201428 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTATCTATAGCAGCAAAACATTGGAAGTGCAGAGACCTCAGTCACACCAAGTAACCTGTGGGGCG
GCCAGGGCTTATTGGGAGTGAGCATTGTTTCTGCAGCTTTGATGGGGCAAATGAAAATGTTTGGCATGT
GCTGGAGTGGAATCAAATTCCTGCAGCACTGGCAGGTCTTAGACCACACAGTGATTATATAATTGGA
GCAGATACAGTCATGAATGAGTCTGAAGATCTATTCAGCCTTATCGAAACACATGAAGCAAACATTGA
AACTGTATGTGTACAACACAGACTGATAACTGTCGAGAAGTGATTATTACACCAAATTCGCATGGGG
TGGAGAAGGCAGCCTAGGATGTGGCATTGGATATGGTTATTTGCATCGAATACCTACACGCCCATTTGAG
GAAGGAAAGAAAATTTCTCTCCAGGACAAATGGCTGGTACACCTATTACACCTCTTAAAGATGGGTTTA
CAGAGGTCAGCTGTCCTCAGTTAATCCCCGCTTTTGTCCACCACCAGGAACCTACAGGAATTGAACAGAG
TCTGACTGGACTTTCTATTAGCTCAACTCCACCAGCTGTCAGTAGTGTCTCAGTACAGGTGTACCAACA
GTACCGTTATTGCCACCACAAGTAAACCAGTCCCTCACTTCTGTGCCACCAATGAATCCAGCTACTACAT
TACCAGGTCTGATGCCTTACCAGCAGGACTGCCAACCTCCCCAACCTCAACCTCAACCTCCCAGCACC
ACACATCATGCCAGGGTGGCTTACCAGAAGTGTAAACCCAGGTCTGCCACCTCTTCCCTCCATGCCT
CCCCGAAACTTACCTGGCATTGCACCTCTCCCCCTGCCATCCGAGTTCCCTCCCGTCAATCCCCTTGGTTC
CAGAGAGCTCTTCTGCAGCAAGCTCAGGAGAGCTGCTGTCTTCCCTCCCGCCACCAGCAACGCACCCCTC
CGACCCTGCCACAACACTGCAAAGGCAGACGCTGCCTCCTCACTCACTGTGGATGTGACCCCCCACT
GCCAAGGCCCCACCACCGTTGAGGACAGAGTCGGCGACTCCACCCAGTCAGCGAGAAGCCTGTTTCTG
CGGCTGTGGATGCCAATGCTTCTGAGTACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233940 representing NM_001201428
 Red=Cloning site Green=Tags(s)

MLIYSSKTLELRETSVTPSNLWGGQGLLGVSI R FCSFDGANENVWHVLEVESNSPAALAGLRPHSDYIIG
 ADTVMNESEDLFSLIETHEAKPLKLYVYNTD TDNCREV IITPNSAWGGEGLGCGIGYGLHRIPT RPF E
 EGKKISLPGQMAGTPIITPLK DGFTEVQLSSVNPPSLSPPGTTGIEQSLTGLSISSTPPAVSSVLSTGVPT
 VPLLPPQVNQSLTSVPPMNPATTL PGLMPLPAGLPNL PNLNLNLPAPHIMPGVGLPELVNPGLPPLPSMP
 PRNLPGIAPLPLPSEFLPSFPLVPESSAASSGELLSSLPPTS NAPSDPATTAKADAASSLTV DVTPT
 AKAPTTVEDRVGDSTPVSEKPVSAAVDANASESP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001201428

ORF Size: 1152 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_001201428.2](#)

RefSeq Size: 2436 bp

RefSeq ORF: 1155 bp

Locus ID: 26003

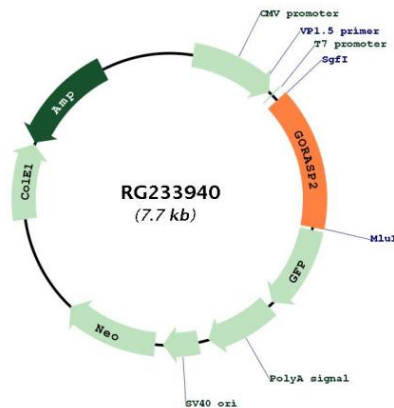
UniProt ID: [Q9H8Y8](#)

Cytogenetics: 2q31.1

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the Golgi reassembly stacking protein family. These proteins may play a role in the stacking of Golgi cisternae and Golgi ribbon formation, as well as Golgi fragmentation during apoptosis or mitosis. The encoded protein also plays a role in the intracellular transport of transforming growth factor alpha and may function as a molecular chaperone. A pseudogene of this gene is located on the short arm of chromosome 2. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]

Product images:



Circular map for RG233940