

Product datasheet for **SC114667**

GORASP2 (NM_015530) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GORASP2 (NM_015530) Human Untagged Clone
Tag:	Tag Free
Symbol:	GORASP2
Synonyms:	GOLPH6; GRASP55; GRS2; p59
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_015530 edited
 GGCGGGAGCAGCGCGGAGCCCGGCTCGGCCACACCGATCGCCCGCCGATGGGCTCCTC
 GCAAAGCGTCGAGATCCCGGGCGGGGCACCGAGGGCTACCACGTTCTGCGGGTACAAGA
 AAATCCCCAGGACACAGAGCTGGTTTGGAGCCTTTCTTTGATTTTATTGTTTCTATTAA
 TGGTTCAAGATTAATAAAGACAATGACACTCTTAAGGATCTGCTGAAAGCAAACGTTGA
 AAAGCCTGTAAGATGCTTATCTATAGCAGCAAAACATTGGAAGTGCAGAGACCTCAGT
 CACACCAAGTAACCTGTGGGGCGCCAGGGCTTATTGGGAGTGAGCATTGTTTCTGCAG
 CTTTGATGGGGCAAATGAAAATGTTTGGCATGTGCTGGAGGTGGAATCAAATTCTCTGC
 AGCACTGGCAGGTCTTAGACCACACAGTGATTATATAATTGGAGCAGATACAGTCATGAA
 TGAGTCTGAAGATCTATTAGCCTTATCGAAACACATGAAGCAAAACCATTGAAACTGTA
 TGTGTACAACACAGACTGATAACTGTGAGAAAGTATTATTACACCAAATTCTGCATG
 GGGTGGAGAAGGCAGCCTAGGATGTGGCATTGGATATGGTTATTTGCATCGAATACCTAC
 ACGCCATTTGAGGAAGGAAAGAAAATTTCTCTCCAGGACAAAATGGCTGGTACACCTAT
 TACACCTCTTAAAGATGGGTTTACAGAGTCCAGCTGCCTCAGTTAATCCCCCGTCTTT
 GTCACCACCAGGAACACAGGAATTGAACAGAGTCTGACTGGACTTTCTATTAGTCAAC
 TCACCAGCTGTAGTAGTGTCTCAGTACAGGTGTACCAACAGTACCGTTATTGCCACC
 ACAAGTAAACCAGTCCCTCACTTCTGTGCCACCAATGAATCCAGTACTACATTACCAGG
 TCTGATGCCTTTACCAGCAGGACTGCCAACCTCCCCAACCTCAACCTCAACCTCCCAGC
 ACCACACATCATGCCAGGGGTTGGCTTACCAGAACTTGTAAACCCAGGTCTGCCACCTCT
 TCCTTCCATGCCTCCCCGAAACTTACCTGGCATTGCACCTCTCCCCCTGCCATCCGAGTT
 CCTCCCGTCATTTCCCTTGGTTCCAGAGAGCTCTTCTGCAGCAAGCTCAGGAGAGCTGT
 GTCTTCCCTCCCGCCACCAGCAACGCACCCTCYGACCCTGCCACAACACTACTGCAAAGGC
 AGACGCTGCCTCCTCACTCACTGTGGATGTGACGCCCCCACTGCCAAGGCCCCACCAC
 CGTTGAGGACAGAGTCCGCGGACTCCACCCAGTCAGCGAGAAGCCTGTTTCTGCGGCTGT
 GGATGCCAATGCTTCTGAGTCACCTTAACTTTGAACCATTCTTTGGAATTGGCGTGGTAT
 ATTTAACACGGGAGCGTGTCTGAAAACGCAAACTATCATTAAATTTCACTAGTTTGTA
 CCGTATCTGTAGGCATCTGTAAATAATTCCAAGGGGAAAACAAACGAGGACGTGGGTT
 GTATCCTGCCAGGTTGAGTGGGGCTCACACGCTAGGGTGAGATGTCAGAAAGCGTTGTA
 TTTTAAACAACCAAAAAGAATTGTAAGGGTGGCTTGTGCCAGGCTTGCAGTCCGTTCC
 TGGGGGTGTGCATCTTCGGGAAAGGTGGTGGCGGGCGTCCACTAGGTTTCTGTCCCCT
 GCTGCTCCTTCCGTAAGAAAATGAAATATTCTATGCCTAATACTCACACGCAACATTTCT
 TGTAATTTGTAAGTCGTTTGGCGAGAATGCAGACCCTCACTAACTGTAACCGTAAAG
 AGATTTTTACTTTTGGTCTCCGTGAGTCGCATCTCTACTAAGGTTTACACAGGAATTC

- Restriction Sites:** NotI-NotI
- ACCN:** NM_015530
- Insert Size:** 1900 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_015530.3](#), [NP_056345.3](#)

RefSeq Size: 2504 bp

RefSeq ORF: 1359 bp

Locus ID: 26003

UniProt ID: [Q9H8Y8](#)

Cytogenetics: 2q31.1

Domains: GRASP55_65

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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.