

## Product datasheet for **SC331423**

### GORASP2 (NM\_001201428) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** GORASP2 (NM\_001201428) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** GORASP2  
**Synonyms:** GOLPH6; GRASP55; GRS2; p59  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331423 representing NM\_001201428.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCTTATCTATAGCAGCAAAACATTGGAAGTGCAGAGACCTCAGTCACACCAAGTAACCTGTGGGGC
GGCCAGGGCTTATTGGGAGTGAGCATTCTGTTTCTGCAGCTTTGATGGGGCAAATGAAAATGTTTGGCAT
GTGCTGGAGGTGGAATCAAATTCCTGCAGCACTGGCAGGTCTTAGACCACACAGTGATTATATAATT
GGAGCAGATACAGTCATGAATGAGTCTGAAGATCTATTCAGCCTTATCGAAACACATGAAGCAAAACCA
TTGAAACTGTATGTGTACAACACAGACACTGATAACTGTCGAGAAGTGATTATTACCAAATTCGCA
TGGGGTGGAGAAGGCAGCCTAGGATGTGGCATTGGATATGGTTATTTGCATCGAATACCTACACGCCCA
TTTGAGGAAGGAAAGAAAATTTCTCTCCAGGACAAATGGCTGGTACACCTATTACACCTCTAAAGAT
GGGTTTACAGAGGTCCAGCTGTCCTCAGTTAATCCCCCGTCTTTGTACCACCAGGAACCTACAGGAATT
GAACAGAGTCTGACTGGACTTTCTATTAGCTCAACTCCACCAGCTGTCAGTAGTGTCTCAGTACAGGT
GTACCAACAGTACCGTTATTGCCACCACAAGTAAACCAGTCCCTCACTTCTGTGCCACCAATGAATCCA
GCTACTACATTACCAGGTCTGATGCCTTACCAGCAGGACTGCCAACCTCCCCAACCTCAACCTCAAC
CTCCCAGCACACATCATGCCAGGGGTTGGCTTACCAGAACTGTAAACCCAGGTCTGCCACCTCTT
CCTTCCATGCCTCCCCGAAACTTACCTGGCATTGCACCTCTCCCCCTGCCATCCGAGTTCCTCCCCTCA
TTCCCCTTGGTTCCAGAGAGCTTCTGCAGCAAGCTCAGGAGAGCTGCTGTCTTCCCTCCCGCCACC
AGCAACGCACCCTCCGACCCTGCCACAACCTACTGCAAAGGCAGAGCTGCCTCCTCACTCACTGTGGAT
GTGACGCCCCCACTGCCAAGGCCCCACCACCGTTGAGGACAGAGTCGGCGACTCCACCCAGTCAGC
GAGAAGCCTGTTTCTGCGGCTGTGGATGCCAATGCTTCTGAGTCACCTTAA
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001201428  
**Insert Size:** 1155 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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001201428.1</u>
<b>RefSeq Size:</b>	2436 bp
<b>RefSeq ORF:</b>	1155 bp
<b>Locus ID:</b>	26003
<b>UniProt ID:</b>	<u>Q9H8Y8</u>
<b>Cytogenetics:</b>	2q31.1
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	39.8 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1.</p>