

## Product datasheet for **RC237186**

### GRASP65 (GORASP1) (NM\_001278790) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GRASP65 (GORASP1) (NM_001278790) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GORASP1
Synonyms:	GOLPH5; GRASP65; P65
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237186 representing NM_001278790 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGCCTGGGCGTCAGCGCTGAGCAGCCCGCAGGCGGCCGAGGGCTCCACCTCCACGGGGATGTGG  
AACCATCTTCACCTGCTGCCCTTGCCGGCCTGCGCCCTACACAGACTATGTGGTTGGTTCGGACCAGAT  
TCTCCAGGAGCCCCAGCTACCACAAGAAGCCACCTGGCACCCACCACCTTCTGCTCTACCACCTGGT  
GCCCCACCACCTGATGCTCTACCACCTGGACCCACCCCGAGGACTCTCCTTCCCTGGAGACAGGTCCA  
GGCAGAGTGACTACATGGAGGCCCTGCTGCAGGCACCTGGCTCCTCCATGGAGGATCCCCCTTCTGGGCC  
TGGGAGTCCCAGCCACAGTGCTCCAGACCCTGATGGACTTCCCCATTTTCATGGAGACTCCTTTCAGCCC  
CCACCTCCAGTGCAGCGAGTTATGGACCCAGGCTTCTGGACGTGTCGGGAATTTCTCTTGGACAACA  
GCAATGCCAGTGTGTGGCCAGCCTGCCCTTCCACAGAAGTACCACCACAGCTGTCTCAACCTCAGG  
GCCAGAGGACATCTGCTCCAGCAGCAGTTCTCATGAGCGGGTGGTGAGGCTACATGGTCTGGGTGAGG  
TTTGAGGTCTCCTTCTGGACAGCCAGGTGCCAAGCCAGGCGGACCACCTGCCTCAGCTGACTCTTC  
CTGACAGTCTCACCTCTGCAGCCTCACCAGAAGATGGGCTGTCCGCCGAGCTGCTTGAAGCTCAGGCTGA  
GGAGGAACCAGCAAGCACAGAGGCCCTAGATACTGGGACGGAGGCTGAGGGGCTGGACAGCCAGGCCAG  
ATCTCTACCACAGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237186 representing NM\_001278790  
 Red=Cloning site Green=Tags(s)

MGLGVSAEQPAGGAEGFHLHGDVEPSSPAALAGLRPYTDYVVGSDQILQEPPSYHKKPPGTPPPSALPLG  
 APPPDALPPGPTPEDSPSLETGSRQSDYMEALLQAPGSSMEDPLPGPGSPSHSAPDPDGLPHFMETPLQP  
 PPPVQRVMDPGFLDVSGISLLDNSNASVWPSLPSSTELTTAVSTSGPEDICSSSSSHERGGEATWSGSE  
 FEVSFLDSPGAQAQADHLPQLTLPDSL TSAASPEDGLSAELLEQAEEEEPASTEGLDTGTAEGLDSQAQ  
 ISTTE

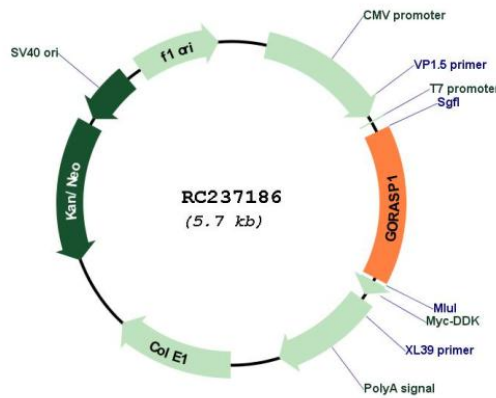
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001278790

**ORF Size:** 855 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001278790.2</a>
<b>RefSeq Size:</b>	2861 bp
<b>RefSeq ORF:</b>	858 bp
<b>Locus ID:</b>	64689
<b>UniProt ID:</b>	<a href="#">Q9BQQ3</a>
<b>Cytogenetics:</b>	3p22.2
<b>MW:</b>	29.6 kDa
<b>Gene Summary:</b>	The Golgi complex plays a key role in the sorting and modification of proteins exported from the endoplasmic reticulum. The protein encoded by this gene is a membrane protein involved in establishing the stacked structure of the Golgi apparatus. It is a caspase-3 substrate, and cleavage of this encoded protein contributes to Golgi fragmentation in apoptosis. This encoded protein can form a complex with the Golgi matrix protein GOLGA2, and this complex binds to the vesicle docking protein p115. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]