

Product datasheet for **RC237611**

GRASP65 (GORASP1) (NM_001278789) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRASP65 (GORASP1) (NM_001278789) 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:	>RC237611 representing NM_001278789 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCCTGGCGTCAGCGCTGAGCAGCCCGAGGCGGCCGAGGGCTCCACCTCCACGGGGATGTGG
AACCATCTTCACCTGCTGCCCTTGCCGGCTGCGCCCTACACAGACTATGTGGTTGGTTCGGACCAGAT
TCTCCAGGAGTCCGAGGACTTCTTTACGCTCATCGAGTCTCATGAGGGGAAGCCCTGAAGCTGATGGTG
TATAACTCCAAGTCAGACTCCTGCCGGGAGGTGACTGTAACCCCAACGCAGCCTGGGGTGGAGAGGGCA
GTCTGGGATGTGGCATTGGCTATGGGTATCTACACCGGATCCCAACTCAGCCCCCAGCTACCACAAGAA
GCCACCTGGCACCCACCACTTCTGCTCTACCACTTGGTGCCCCACCACCTGATGCTCTACCACCTGGA
CCCACCCCGAGGACTCTCCTTCCCTGGAGACAGGTTCCAGGCAGAGTGACTACATGGAGGCCCTGCTGC
AGGCACCTGGCTCCTCCATGGAGGATCCCCTTCTGGGCTGGGAGTCCCAGCCACAGTGTCCAGACCC
TGATGGACTTCCCATTTTCATGGAGACTCCTCTCAGCCCCACCTCCAGTGCAGCGAGTTATGGACCA
GGCTTCTGGACGTGTCGGGAATTTCTCTTTGGACAACAGCAATGCCAGTGTGTGGCCAGCCTGCCCT
CTTCCACAGAAGTACCACCACAGCTGTCTAACCTCAGGGCCAGAGGACATCTGCTCCAGCAGCAGTTC
TCATGAGCGGGTGGTGAGGCTACATGGTCTGGGTCAGAGTTTGAGGTCTCCTTCCCTGGACAGCCAGGT
GCCAAGCCAGGCGGACCACCTGCCTCAGCTGACTCTTCTGACAGTCTCACCTCTGCAGCCTCACCAG
AAGATGGGCTGTCCGCCGAGCTGTTGAAGCTCAGGCTGAGGAGGAACCAGCAAGCACAGAGGGCTAGA
TACTGGGACGGAGGCTGAGGGGCTGGACAGCCAGGCCAGATCTCTACCACAGAA

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237611 representing NM_001278789
 Red=Cloning site Green=Tags(s)

MGLGVSAEQPAGGAEGFHLHGDVEPSSPAALAGLRPYTDYVVGSDQILQESEDFFTLIESHEGKPLKLMV
 YNSKSDSCREVTVPNAAWGGEGSLGCGIGYGYLHRIPTQPPSYHKKPPGTPPPSALPLGAPPPDALPPG
 PTPEDSPSLETGSRQSDYMEALLQAPGSSMEDPLPGPGSPSHSAPDPDGLPHFMETPLQPPPPVQRVMDP
 GFLDVSGISLLDNSNASVWPSLPSSTELTTTAVSTSGPEDICSSSSSHERGGEATWSGSEFEVFSFLDSPG
 AQAQADHLPQLTLPDSL TSAASPEDGLSAELLEQAEEEPASTEGLDTGTAEGLDSQAQISTTE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

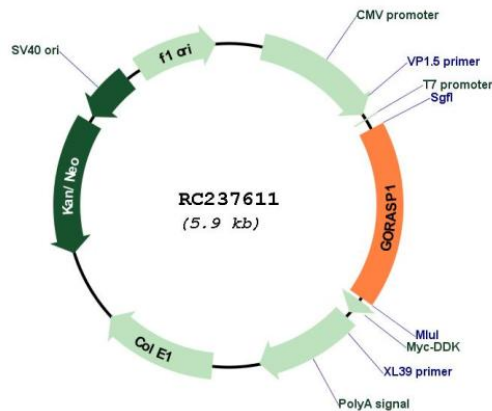
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001278789

ORF Size: 1035 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:	<ol style="list-style-type: none">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_001278789.2
RefSeq Size:	3041 bp
RefSeq ORF:	1038 bp
Locus ID:	64689
UniProt ID:	Q9BQQ3
Cytogenetics:	3p22.2
MW:	36.2 kDa
Gene Summary:	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]