

Product datasheet for SC107158

GRASP65 (GORASP1) (NM_031899) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRASP65 (GORASP1) (NM_031899) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRASP65
Synonyms:	GOLPH5; GRASP65; P65
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107158 sequence for NM_031899 edited (data generated by NextGen Sequencing)

ATGGGCCTGGGCGTCAGCGCTGAGCAGCCCGCAGGCGGCCGAGGGCTTCCACCTCCAC
GGGGTGACAGAGAACTCCCCAGCCAGCAGGCGGGCCTGGAGCCCTACTTTGACTTCATC
ATCACCATTGGGCACTCGAGGCTGAACAAGGAGAATGACACCCTGAAGGCACTACTGAAA
GCCAATGTGGAGAAGCCCGTGAAGCTGGAGGTGTTCAATATGAAGACCATGAGGGTGCGC
GAGGTGGAGGTGGTGCCAGCAACATGTGGGCGGCCAGGGCCTACTGGGTGCCAGTGTG
CGCTTCTGCAGCTTCCGAGGGCCAGTGAGCAGGTGTGGCATGTGCTGGATGTGGAACCA
TCTTCACCTGCTGCCCTTGCCGGCCTGCGCCCCTACACAGACTATGTGGTTGGTTCGGAC
CAGATTCTCCAGGAGTCCGAGGACTTCTTACGCTCATCGAGTCTCATGAGGGGAAGCCC
TTGAAGCTGATGGTGTATAACTCCAAGTCAGACTCCTGCCGGGAGGTGACTGTAACCTCC
AACGCAGCCTGGGGTGGAGAGGGCAGTCTGGGATGTGGCATTGGCTATGGGTATCTACAC
CGGATCCCAACTCAGCCCCCAGCTACCACAAGAAGCCACCTGGCACCCACACCTTCT
GCTCTACCACTTGGTGCCCCACCACTGATGCTCTACCACTGGACCCACCCCGAGGAC
TCTCCTTCCCTGGAGACAGGTTCAGGCAGAGTGACTACATGGAGGCCCTGCTGCAGGCA
CCTGGCTCCTCCATGGAGGATCCCCTTCTGGGCTGGGAGTCCCAGCCACAGTGCTCCA
GACCCTGATGGACTTCCCCATTTTCATGGAGACTCCTCTTCAGCCCCACCTCCAGTGCAG
CGAGTTATGGACCCAGGCTTCTGGAGCTGTGCGGAATTTCTCTTTGGACAACAGCAAT
GCCAGTGTGTGGCCAGCCTGCCCTCTTCCACAGAAGTACCACACAGCTGTCTCAACC
TCAGGGCCAGAGGACATCTGCTCCAGCAGCAGTTCTCATGAGCGGGTGGTGAGGCTACA
TGGTCTGGGTGAGGTTTGGAGTCTCCTTCTGGACAGCCAGGTGCCCAAGCCAGGCG
GACCACCTGCCTCAGTGACTCTTCTGACAGTCTCACCTCTGCAGCCTCACCAGAAGAT
GGGCTGTCCGCCGAGCTGCTTGAAGCTCAGGCTGAGGAGGAACCAGCAAGCACAGAGGGC
CTAGATACTGGGACGGAGGCTGAGGGGCTGGACAGCCAGGCCAGATCTCTACCACAGAA
TAA

Clone variation with respect to NM_031899.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_031899 unedited
 CGTTGCGGATTAGTACACTTTCACTATAGGCGGCCGCAATTCGCAGAGGGCGCAGCGGG
 ACTGGACCTGGGTGCCGAGCGGAGCCGCTGCCATGGGCTGGGCGTCAGCGCTGAGCAGC
 CCGCAGGCGGCGCCGAGGGCTTCCACCTCCACGGGGTGCAGGAGAACTCCCCAGCCCAGC
 AGGCGGGCCTGGAGCCCTACTTTGACTTCATCATCACCATTGGGCACTCGAGGCTGAACA
 AGGAGAATGACACCCTGAAGGCACTACTGAAAGCCAATGTGGAGAAGCCCGTGAAGCTGG
 AGGTGTTCAATATGAAGACCATGAGGGTCCGCGAGGTGGAGGTGGTGGCCAGCAACATGT
 GGGCGGGCCAGGGCCTACTGGGTGCCAGTGTGCGCTTCTGCAGCTTCCGAGGGCCAGTG
 AGCAGGTGTGGCATGTGCTGGATGTGGAACCATCTTACCTGCTGCCCTTGCCGGCCTGC
 GCCCCTACACAGACTATGTGTTGGTTCGGACCAGATTCTCCAGGAGTCCGAGGACTTCT
 TTACGCTCATCGAGTCTCATGAGGGGAAGCCCTTGAAGCTGATGGTGTATAAATCCAAGT
 CAGACTCTGCCGGGAGGTGACTGTAATCCCAACGCAGCCTGTGGTGGAGAGGGCAGTC
 TGGGATGTGGCATTGGCTATGGGTATCTACACCGATCCCAACTCAGCCCCCAGCTACC
 ACAAAGAAGCCACCTGGACCCCAACACCTTCTGCTCTACCACTGGCTGCCCCACCACC
 TGAAGCTTTACCCCTGGACCCACCCCGAGGACTTCCCTTTCTGGAGACAGGTTCCGG
 CCGAGTACTCCTGGAGGCCCTGTTGAGGCACCCGCTCCTCCTGGAGAACCCTTCTGGC
 CTGGGATCCCACC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_031899 unedited
 NAATCTCTGNACCGCAGGCCGCAATCTANGATCGGTTTTTTTTTTTTTTTTTAAAAAT
 TTCAAAGTGTAGTACACATTTATTTTCATTTGTTATTTTCTTTCATAGCAGATTACAGAG
 AAAGAAAGAAACCTCTGGTTTCATGTTCTCCCTGGAAATATTAGCATTGATACCCATTTT
 ATCCTCCAACCTTATGGGGGAAGGAAAGTAAAAGTGAGGGAGGGAAGAGCCAGAACCTTT
 GGGTGAGGGCAACTTTGGGTGAGACTGCCAGGCTACAGAGTTAAGGGAAGCTGGCCCCAG
 AACAGTCTGTGGCGATTCTGTTCTACTTCTGCTGATTCCAGCAGACTTGACACTGGGCTC
 CCAGACGATCCAGGACACAATGCCTCACTGTTATGCACACGTATCAGCTGCTCTGGTAGG
 CTTGACAAGGGTTTGCTTTAAATGAAGGGTTTGCTAATTTGGGACCCTCCCTCCATATAG
 TTGGCCTGTGCCCCCAGAGCAGACATTCTTGTCTGCTGATACCTGACACAGCTTGTGAG
 TTCCCTGCATGTACACAGCATTACAAATGATCCTGTAAAGGTGAGACTTTCAACTAGGC
 ACAAGCTAGAAGACGAGGCCAGAGCAGCTTTCATAGTAATTAGCAGTGTGGGAAGTGAGG
 GTCCAGTCAACACAGCAGAGGACTTCAGGTGATGAGGGCCGTCGCCAGGTGGAGTGACG
 GCCCTAACCTANCCTTAACCTCCAAAAGCACCTGGGGTGGGAAGAACAGCTTCTCCCTT
 ACACCAGGAAAAACCAAAGGTCTTTACCTACTTTTAACTAATCCCCTAATTCCCTTG
 GGGGTGGGGACCGCGTGGTTAAACCTAATCCAGTAAACGGCTTTGAAAATTGCTTAAG
 GGGGTAACCTAAATTGCGGACCTTCATTCTTTTGGGGCTGGAAAATA

Restriction Sites:

ECorI-NOT

ACCN:

NM_031899

Insert Size:

2770 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).

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_031899.2](#), [NP_114105.1](#)

RefSeq Size: 3057 bp

RefSeq ORF: 1323 bp

Locus ID: 64689

UniProt ID: [Q9BQQ3](#)

Cytogenetics: 3p22.2

Domains: GRASP55_65

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]
Transcript Variant: This variant (1) encodes the longest isoform (1).