

Product datasheet for **MC201037**

Gorasp1 (NM_028976) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gorasp1 (NM_028976) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gorasp1
Synonyms:	5430411C10Rik; GOLPH5; GRASP65; P65
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC012251 sequence for NM_028976
CCCCACGTGACTAGGCCACGCAGCAGCGGGAGAGGGCGGCCATGGGGCTAGGGGCAAGCAGCGAGCAGCC
GGCGGGCGGGCAGGGCTTCCATCTGCACGGGTACAAGAGAACTCGCCGGCCAGCAGGCAGGCCTGGAG
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CTACGCTTCTGTCAAACCCCTCCACCTGCCCGTCTCAGGGTCTTCTCTCTGAAGAGCTGGAAAAGGC
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CGTGTATAAAACTGGAAAAACAACATGAACCACAATATAAATATCAAACCAAAAAAAAAAAAAA
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Restriction Sites:	RsrII-NotI
ACCN:	NM_028976
Insert Size:	1341 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:	<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:	BC012251 , AAH12251
RefSeq Size:	3495 bp
RefSeq ORF:	1341 bp
Locus ID:	74498
UniProt ID:	Q91X51
Cytogenetics:	9 F4
Gene Summary:	Plays an important role in assembly and membrane stacking of the Golgi cisternae, and in the reassembly of Golgi stacks after breakdown during mitosis. Key structural protein required for the maintenance of the Golgi apparatus integrity: its caspase-mediated cleavage is required for fragmentation of the Golgi during apoptosis (By similarity). Also mediates, via its interaction with GOLGA2/GM130, the docking of transport vesicles with the Golgi membranes (By similarity). Mediates ER stress-induced unconventional (ER/Golgi-independent) trafficking of core-glycosylated CFTR to cell membrane (By similarity).[UniProtKB/Swiss-Prot Function]