

Recombinant Human GORASP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GORASP1-3161H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GORASP1 MS Standard C13 and N15-labeled recombinant protein (NP_114105) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	46.5 kDa
AA Sequence	MGLGVSAEQPAGGAEGFHLHGVQENSPAQQAGLEPYFDFIITIGHSRLNKENDTLKALLKANVEKPVKLEVFNMKTMRVREVEVPSNMWGGQGLLGASVRFCSEFRASEQVWHVLDVEPSSPAALAGLRPYTDYVVGSDQILQESEDFFTLIESHEGKPLKLMVYNSKSDSCREVTVPNAAWGGEGSLGCGIGYGYLHRIPTQPPSYHKKPPGTPPPSALPLGAPPPDALPPGPTPEDSPSLETGSRQSDYMEALLQAPGSSMEDPLPGPGSPSHSAP

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DPDGLPHFMETPLQPPPPVQRVMDPGFLDVSGISLLDNSNASVWPSLPSSTELTTT
AVSTSGPEDICSSSSSSHERGGGEATWSGSEFEVSFLDSPGAQAQADHLPQLTLPDSL
TSAASPEDGLSAELLEQAEEEEPASTEGLDTGTEAEGLDSQAQISTTETRTRPLEQK
LISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name GORASP1 golgi reassembly stacking protein 1 [Homo sapiens (human)]

Official Symbol GORASP1

Synonyms GORASP1; golgi reassembly stacking protein 1, 65kDa; golgi phosphoprotein 5, GOLPH5; Golgi reassembly-stacking protein 1; FLJ23443; GRASP65; P65; Golgi phosphoprotein 5; Golgi peripheral membrane protein p65; Golgi reassembly and stacking protein 1; golgi reassembly-stacking protein of 65 kDa; Golgi reassembly and stacking protein, 65 kDa; GOLPH5; MGC118894; MGC118897;

Gene ID 64689

mRNA Refseq NM_031899

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Protein Refseq NP_114105

MIM 606867

UniProt ID Q9BQQ3

SDS-PAGE



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