

Product datasheet for PH310076

GRASP65 (GORASP1) (NM_031899) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GORASP1 MS Standard C13 and N15-labeled recombinant protein (NP_114105)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210076
Predicted MW:	46.5 kDa
Protein Sequence:	>RC210076 protein sequence Red=Cloning site Green=Tags(s)

MGLGVSAEQPAGGAEGFHLHGVQENSPAQQAGLEPYDFDIITIGH SRLNKENDTLKALLKANVEKPKVLE
VFNMKTMRVREVEVPSNMWGGQGLLGASVRFCSFRRASEQVWHVLDVEPSSPAALAGLRPYTDYVVGSD
QILQESEDFFTLIESHEGKPLKLMVYNSKSDSCREVTVTPNAAWGGEGSLGCGIGYGYLHRIPTQPPSYH
KKPPGTPPPSALPLGAPPPDALPPGPTPEDSPSLETGSRQSDYMEALLQAPGSSMEDPLPGPGSPSHSAP
DPDGLPHMETPLQPPPVQRVMDPGFLDVSGISLLDNSNASVWPSLPSSTELTTAVSTSGPEDICSSS
SSHERGG EATWSGSEFEVSFLDSPGAQAQADHLPQLTLPDSL TSAASPEDGLSAELLEQAEEEPASTEG
LDTGTEAEGLDSQAQISTTE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_114105</u>
RefSeq Size:	3789
RefSeq ORF:	1320
Synonyms:	GOLPH5; GRASP65; P65



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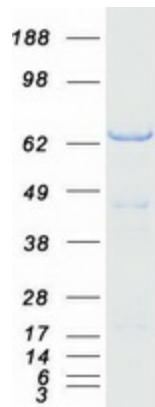
Locus ID: 64689

UniProt ID: [Q9BQQ3](#), [B3KPY8](#), [A0A024R2U5](#)

Cytogenetics: 3p22.2

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]

Product images:



Coomassie blue staining of purified GORASP1 protein (Cat# [TP310076]). The protein was produced from HEK293T cells transfected with GORASP1 cDNA clone (Cat# [RC210076]) using MegaTran 2.0 (Cat# [TT210002]).