

Product datasheet for PH307512

Glycoprotein 2 (GP2) (NM_001007242) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GP2 MS Standard C13 and N15-labeled recombinant protein (NP_001007243)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207512
Predicted MW:	42.6 kDa
Protein Sequence:	>RC207512 protein sequence Red=Cloning site Green=Tags(s) MERMVGSGLLWLLALVSCILTQASAVQRDPSTVEDKCEKACRPEEECLALNSTWGCFCRQDLNSSDVHSLQ PQLDCGPREIKVKVDKCLLGGLGLGEEVIAYLRDPNCSILQTEERNWVSVTSPVQASACRNILERNQTH AIYKNTLSLVNDFIIRDITILNINFQCAIPLDMKVSLQAALQPIVSSLNVSVDGNGEFIVRMALFQDQNYT NPYQGDVELSVESVLYVGAILEQGDTSRFLVLRNCYATPTEDKADLVKYFIIIRNSCSNRDSTIHVEE NGQSSSRFSVQMFMFAGHYDLVFLHCEIHLCDSLNEQCQPSCSRSQVRSEVPAIDLARVLDLGPITRRG AQSPGVMNGTPSTAGFLVAWPMVLLTVLLAWLF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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:	NP_001007243
RefSeq Size:	1998
RefSeq ORF:	1149
Synonyms:	ZAP75
Locus ID:	2813



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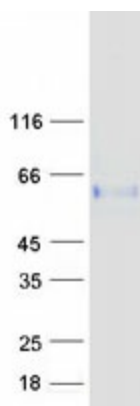
UniProt ID: [B7Z1G2](#)

Cytogenetics: 16p12.3

Summary: This gene encodes an integral membrane protein that is secreted from intracellular zymogen granules and associates with the plasma membrane via glycosylphosphatidylinositol (GPI) linkage. The encoded protein binds pathogens such as enterobacteria, thereby playing an important role in the innate immune response. The C-terminus of this protein is related to the C-terminus of the protein encoded by the neighboring gene, uromodulin (UMOD). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Product images:



Coomassie blue staining of purified GP2 protein (Cat# [TP307512]). The protein was produced from HEK293T cells transfected with GP2 cDNA clone (Cat# [RC207512]) using MegaTran 2.0 (Cat# [TT210002]).