

## Product datasheet for TP307512

### Glycoprotein 2 (GP2) (NM\_001007242) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glycoprotein 2 (zymogen granule membrane) (GP2), transcript variant 4, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207512 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MERMVGSGLLWLALVSCILTQASAVQRDPSTVEDKCEKACRPEEECLALNSTWGCFCRQDLNSSDVHSLQ  
PQLDCGPREIKVKVDKCLLGGGLGEEVIAYLRDPNCSSILQTEERNWWSVTSPVQASACRNILERNQTH  
AIYKNTLSLVNDFIIRDITILNINFQCAIPLDMKVSLSQAALQPIVSSLNVSVDGNGEFIVRMALFQDQNYT  
NPYQGDAVELSVESVLYVGAILEQGDTSRFLNLRNRYATPTEDKADLVKYFIIRNSCSNQRDSTIHVEE  
NGQSSSRFSVQMFMFAGHYDLVFLHCEIHLCDLSNEQCQPSCSRSQVRSEVPAIDLARVLDLGPITRRG  
AQSPGVMNGTPSTAGFLVAWPMVLLTVLLAWLF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	42.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_001007243</a></u>



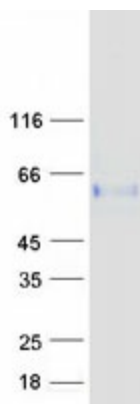
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Locus ID:	2813
UniProt ID:	<a href="#">B7Z1G2</a>
RefSeq Size:	1998
Cytogenetics:	16p12.3
RefSeq ORF:	1149
Synonyms:	ZAP75

**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]).