

Recombinant Human GP2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GP2-750H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GP2 MS Standard C13 and N15-labeled recombinant protein (NP_001007243) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	42.6 kDa
AA Sequence	MERMVGSGLLWLALVSCILTQASAVQRDPSTVEDKCEKACRPEEECLALNSTWGCF CRQDLNSSDVHSLQPQLDCGPRIKVKVDKCLLGGLGLGEEVIAYLRDPNCSSILQT EERNWVSVTSPVQASACRNILERNQTHAIYKNTLSLVNDFIIRDTILNINFQCAYPLDM KVSLQAALQPIVSSLNVSDGNGEFIVRMALFQDQNYTNPYQGDAVELSVESVLYVG AILEQGDTSRFNLVLRNCYATPTEDKADLVKYFIIRNSCSNQRDSTIHVEENGQSSS RFSVQMFMFAGHYDLVFLHCEIHLCDLNEQCQPSCSRSQVRSEVPAIDLARVLDL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	GPITRRGAQSPGVMNGTPSTAGFLVAWPMVLLTVLLAWLFTRTRPLEQKLISEEDLA ANDILDYKDDDDKV
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	GP2 glycoprotein 2 [Homo sapiens (human)]
Official Symbol	GP2
Synonyms	GP2; glycoprotein 2 (zymogen granule membrane); pancreatic secretory granule membrane major glycoprotein GP2; pancreatic zymogen granule membrane protein GP-2; pancreatic zymogen granule membrane associated protein GP2; ZAP75; DKFZp779K0533;
Gene ID	2813
mRNA Refseq	NM_001007242
Protein Refseq	NP_001007243

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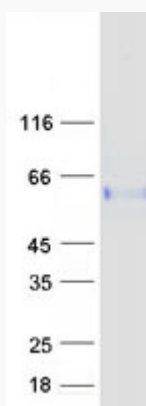
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MIM 602977

UniProt ID P55259

SDS-PAGE



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