

# 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  
 CRQDLNSSDVHSLQPQLDCGPREIKVKVDKCLLGGLGLGEEVIAYLRDPNCSSILQT  
 EERNWVSVTSPVQASACRNILERNQTHAIYKNTLSLVNDFIIRDITILNINFQCAYPELDM  
 KVSLQAALQPIVSSLNVSVDGNGEFIVRMALFQDQNYTNPYQGDAVELSVESVLYVG  
 AILEQGDTSRFNLVLRNCYATPTEDKADLVKYFIIRNSCSNQRDSTIHVEENGQSSS  
 RFSVQMFMFAGHYDLVFLHCEIHLCDLNEQCQPSCSRSQVRSEVPAIDLARVLDL

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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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<b>MIM</b>	602977
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<b>UniProt ID</b>	P55259
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