

Recombinant Human GP2 protein, His & T7-tagged

Cat. No. GP2-1230H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GP2 aa. (Phe307~Asn512 (Accession # P55259) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Phe307~Asn512
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.9kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	GP2 glycoprotein 2 [Homo sapiens (human)]
Official Symbol	GP2
Synonyms	GP2; glycoprotein 2; ZAP75; pancreatic secretory granule membrane major glycoprotein GP2; glycoprotein 2 (zymogen granule membrane); pancreatic zymogen granule membrane associated protein GP2
Gene ID	2813
mRNA Refseq	NM_001007240.2

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Protein Refseq	NP_001007241.2
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UniProt ID	P55259
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