

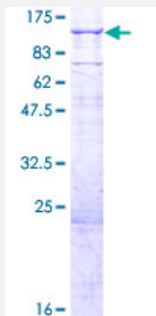
Full-Length

PIGQ (Human) Recombinant Protein (P01)

Catalog # H00009091-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PIGQ full-length ORF (NP_683721.1, 1 a.a. - 760 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVLKAFFPTCCVSTDGSLLVGRWVPEQSSAVVLAVLHFPFIQVKQLLAQVRQASQVGVAVLGT
WCHCRQEPEESLGRFLES LGAVFPHEPWRLCRERGGTFWSCEATHRQAPTAPGAPGEDQVM
LIFYDQRQVLLSQLHLPTVLPDRQAGATTASTGGLAAVFDTVARSEVLF RSDRFDEGPVRLSHWQ
SEGVEASILAELARRASGPICLLLASLLSLVSAVSACRVFKLWPLSFLGSKLSTCEQLRHRLEHLT
LIFSTRKAENPAQLMRKANTVASVLLDVALGLMLLSWLHGRSRIGHLADALVPVADHVAEELQHL
LQWLMGAPAGLKMNRALDQVLGRFFLYHIHLWISYIHLMSPFVEHILWHVGLSACLGLTVALSLLS
DIALLT FHYCFYVYGARLYCLKIHGLSSLWRLFRGKKWNVLRQRVDSCSYDLDQLFIGTLLFTILLFL
LPTTALYYLVFTLLRLLVVAVQGLIHLVLDLINSPLYSGLRLCRPYRLADKPTALQPRGAHLPPPQ
LWLPPQALLGRPVPQAVPWGAHLPLEAERGQAGLRELLARLAPPHGHSQPSALPGWHQLSWR
MSCALWTLLCAPEHGRPCYHTLGLEVIGSEQMWGWPARLAALHHWHCLPWDPLPTCCGHHGG
EHSNPRCPEHCPMPTLCTQVQVRVPPQQPQVEGWSPWGLPSGSALAVGVEGPCQDEPPSPR
HPLAPSAEQHPASGGLKQSLTPVPSGPGPSLPEPHGVYLRMFPGGEVAL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

110.5

Interspecies Antigen Sequence

Mouse (83); Rat (83)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PIGQ

Entrez GeneID	9091
GeneBank Accession#	NM_148920.1
Protein Accession#	NP_683721.1
Gene Name	PIGQ
Gene Alias	GPI1, MGC12693, c407A10.1, hGPI1
Gene Description	phosphatidylinositol glycan anchor biosynthesis, class Q
Omim ID	605754
Gene Ontology	Hyperlink
Gene Summary	This gene is involved in the first step in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor is a glycolipid found on many blood cells and serves to anchor proteins to the cell surface. This gene encodes a N-acetylglucosaminyl transferase component that is part of the complex that catalyzes transfer of N-acetylglucosamine (GlcNAc) from UDP-GlcNAc to phosphatidylinositol (PI). [provided by RefSeq]

Other Designations

N-acetylglucosaminyl transferase component Gpi1|N-acetylglucosamyl transferase component G
PI1|c407A10.1 (GPI1 (N-acetylglucosaminyl transferase component))|phosphatidylinositol glycan,
class Q

Pathway

- [Glycosylphosphatidylinositol\(GPI\)-anchor biosynthesis](#)
- [Metabolic pathways](#)

Disease

- [Cerebral Hemorrhage](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)