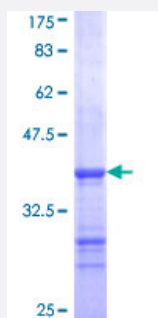


PIGA (Human) Recombinant Protein (Q01)

Catalog # H00005277-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PIGA partial ORF (NP_002632, 194 a.a. - 293 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LRAALNPEIVSVIPNAVDPTDFTPDPFRRHDSITVVVSRLVYRKGIDLLSGIPELCQKYPDLNFIIGG EGPKRIILEEVRERYQLHDRVRLGGALEHK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (92); Rat (89)
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 — PIGA

Entrez GeneID [5277](#)

GeneBank Accession# [NM_002641](#)

Protein Accession# [NP_002632](#)

Gene Name PIGA

Gene Alias GPI3, PIG-A

Gene Description phosphatidylinositol glycan anchor biosynthesis, class A

Omim ID [311770](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein required for synthesis of N-acetylglucosaminyl phosphatidylinositol (GlcNAc-PI), the first intermediate in the biosynthetic pathway of GPI anchor. The GPI anchor is a glycolipid found on many blood cells and which serves to anchor proteins to the cell surface. Paroxysmal nocturnal hemoglobinuria, an acquired hematologic disorder, has been shown to result from mutations in this gene. Alternate splice variants have been characterized. [provided by RefSeq]

Other Designations GLCNAC-PI synthesis protein|GPI anchor biosynthesis|OTTHUMP00000022959|phosphatidylinositol N-acetylglucosaminyltransferase subunit A|phosphatidylinositol glycan, class A (paroxysmal nocturnal hemoglobinuria)|phosphatidylinositol-glycan biosynthesis, clas

Pathway

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