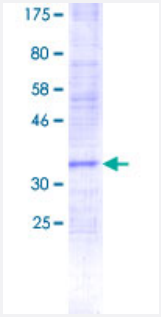
PIGF (Human) Recombinant Protein (Q01)

Catalog # H00005281-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PIGF partial ORF (NP_775097.1, 1 a.a. - 100 a.a.) recombinant protein with GST tag at N-terminal.
Sequence	MKDNDIKRLLYTHLLCIFSIILSVFIPSLFLENFSILETHLTWLCICSGFVTAVNLVLYLVVKPNTSSKRSSLSHKVTGFLKCCIYFLMSCFSFHVIFVL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (77); Rat (74)
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 — PIGF

Entrez GeneID	5281
GeneBank Accession#	NM_173074.2
Protein Accession#	NP_775097.1
Gene Name	PIGF
Gene Alias	MGC32646, MGC33136
Gene Description	phosphatidylinositol glycan anchor biosynthesis, class F
Omim ID	600153
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein involved in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. T he GPI-anchor, a glycolipid containing three mannose molecules in its core backbone, is found on many blood cells where it serves to anchor proteins to the cell surface. The encoded protein and a nother GPI synthesis protein, PIGO, function in the transfer of ethanolaminephosphate to the third mannose in GPI. Alternatively spliced transcript variants encoding different isoforms have been d escribed. [provided by RefSeq
Other Designations	OTTHUMP00000159031

Pathway

- Glycosylphosphatidylinositol(GPI)-anchor biosynthesis
- Metabolic pathways

Disease

- Chorioamnionitis
- Diabetes Mellitus
- Fetal Growth Retardation
- Fetal Membranes
- Genetic Predisposition to Disease
- Obstetric Labor
- Pre-Eclampsia
- Premature Birth