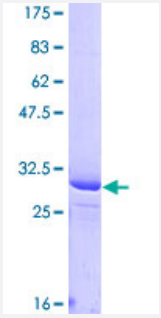
PIGW (Human) Recombinant Protein (Q01)

Catalog # H00284098-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PIGW partial ORF (NP_848612.2, 399 a.a. - 447 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KFLIKGALVPCSWKLIQSPVTNKKHSESLVPEAERMEPSLCLITALNRK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	31.13
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 — PIGW

Entrez GeneID	284098
GeneBank Accession#	NM_178517
Protein Accession#	NP_848612.2
Gene Name	PIGW
Gene Alias	FLJ37433, Gwt1
Gene Description	phosphatidylinositol glycan anchor biosynthesis, class W
Omim ID	610275
Gene Ontology	Hyperlink
Gene Summary	Glycosylphosphatidylinositol (GPI) is a complex glycolipid that anchors many proteins to the cell s urface. PIGW acts in the third step of GPI biosynthesis and acylates the inositol ring of phosphatid ylinositol (Murakami et al., 2003 [PubMed 14517336]).[supplied by OMIM
Other Designations	OTTHUMP00000164080|phosphatidylinositol glycan, class W

Pathway

- Glycosylphosphatidylinositol(GPI)-anchor biosynthesis
- Metabolic pathways