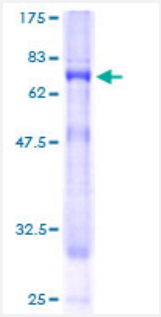
Full-Length

PIGO (Human) Recombinant Protein (P01)

Catalog # H00084720-P01 Size 10 ug, 25 ug

Applications



Specification

Product Description	Human PIGO full-length ORF (AAH01030, 1 a.a. - 454 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDSGEWEVSNQHVLGVDHCGHKHGPHHPEMAKKLSQMDQVIQGLVERLENDTLLVVAGDHGM TTNGDHGGDSELEVSAALFLYSPTAVFPSTPPEEPEVIPQVSLVPTLALLLGLPIPFGNIGEVMAEL FSGGEDSQPHSSALAQASALHLNAQQVSRFLHTYSAATQDLQAKELHQLQNLFSKASADYQWLL QSPKGAEATLPTVIAELQQFLRGARAMCIESWARFSLSFLLLHLLAAGIPVTTPGPFTVPWQAVSA WALMATQTFYSTGHQPVFPAIHWHAAFVGFPEGHGSCTWLPALLVGANTFASHLLFAVGCPLLL LWPFLCESQGLRKRQQPPGNEADARVRPEEEEEPLMEMRLRDAPQHFYAALLQLGLKYLFILGIQ ILACALAASILRRHLMVWKVFAPKFIFEAVGFIVSSVGLLLGIALVMRVDGAVSSWFRQLFLAQQR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	75.68
Interspecies Antigen Sequence	Mouse (85); Rat (80)
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 — PIGO

Entrez GeneID	84720
GeneBank Accession#	BC001030
Protein Accession#	AAH01030
Gene Name	PIGO
Gene Alias	DKFZp434M222, FLJ00135, MGC20536, MGC3079, RP11-182N22.4
Gene Description	phosphatidylinositol glycan anchor biosynthesis, class O
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that is involved in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor is a glycolipid which contains three mannose molecules in its core backbone. The GPI-anchor is found on many blood cells and serves to anchor proteins to the cell surface. This protein is involved in the transfer of ethanolaminephosphate (EtNP) to the third mannose in GPI. At least two alternatively spliced transcripts encoding distinct isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000021324|OTTHUMP00000021325|phosphatidylinositol glycan, class O

Pathway

- Glycosylphosphatidylinositol(GPI)-anchor biosynthesis
- Metabolic pathways

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Tobacco Use Disorder