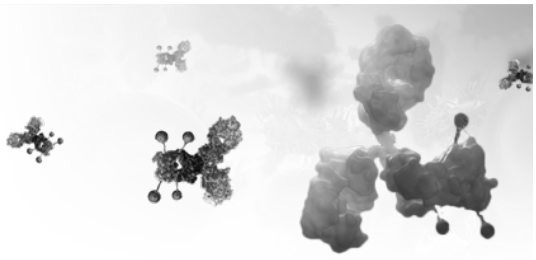

Human PIGA peptide (DAG-P1043)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. A related pseudogene is located on chromosome 12. [provided by RefSeq, Jun 2010]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the glycosyltransferase group 1 family. Glycosyltransferase 4 subfamily.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PIGA phosphatidylinositol glycan anchor biosynthesis, class A [Homo sapiens (human)]
Official Symbol	PIGA
Synonyms	PIGA; phosphatidylinositol glycan anchor biosynthesis, class A; GPI3; PIG-A; MCAHS2; phosphatidylinositol N-acetylglucosaminyltransferase subunit A; GPI anchor biosynthesis; GLCNAC-PI synthesis protein; class A GlcNAc-inositol phospholipid assembly protein; phosphatidylinositol-glycan biosynthesis, class A protein;

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Entrez Gene ID	5277
mRNA Refseq	NM_002641.3
Protein Refseq	NP_002632.1
UniProt ID	P37287
Chromosome Location	Xp22.1
Pathway	GPI-anchor biosynthesis, core oligosaccharide, organism-specific biosystem; GPI-anchor biosynthesis, core oligosaccharide, conserved biosystem; Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, organism-specific biosystem; Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, conserved biosystem; Metabolism of proteins, organism-specific biosystem; Post-translational modification: synthesis of GPI-anchored proteins, organism-specific biosystem; Post-translational protein modification, orga
Function	UDP-glycosyltransferase activity; phosphatidylinositol N-acetylglucosaminyltransferase activity; protein binding;

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