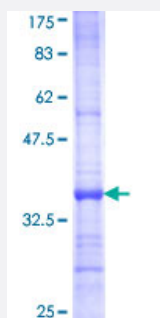


DPAGT1 (Human) Recombinant Protein (Q01)

Catalog # H00001798-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DPAGT1 partial ORF (NP_001373, 296 a.a. - 377 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	IIPCPRHRIPRLNIKTGKLEMSYSKFKTKSLSFLGTFILKVAESLQLVTVHQSETEDGEFTECNMTLINLLKVLGPIHER
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.76
Interspecies Antigen Sequence	Mouse (89); 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 — DPAGT1

Entrez GeneID	1798
GeneBank Accession#	NM_001382
Protein Accession#	NP_001373
Gene Name	DPAGT1
Gene Alias	ALG7, CDG-Ij, D11S366, DGPT, DPAGT, DPAGT2, G1PT, GPT, UAGT, UGAT
Gene Description	dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminephosphotransferase 1 (GlcN Ac-1-P transferase)
Omim ID	191350 608093
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is an enzyme that catalyzes the first step in the dolichol-linked oligosaccharide pathway for glycoprotein biosynthesis. This enzyme belongs to the glycosyltransferase family 4. This protein is an integral membrane protein of the endoplasmic reticulum. The congenital disorder of glycosylation type Ij is caused by mutation in the gene encoding this enzyme. [provided by RefSeq]
Other Designations	GlcNAc-1-P transferase N-acetylglucosamine-1-phosphate transferase UDP-GlcNAc:dolichyl-phosphate N-acetylglucosaminephosphotransferase UDP-N-acetylglucosamine-dolichyl-phosphate N-acetylglucosaminephosphotransferase dolichyl-phosphate alpha-N-acetylglucos

Pathway

- [Metabolic pathways](#)
- [N-Glycan biosynthesis](#)

Disease

- [Kidney Failure](#)