



## DPAGT1 blocking peptide (CDBP5390)

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

### PRODUCT INFORMATION

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| <b>Antigen Description</b> | 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, Jul 2008] |
| <b>Conjugate</b>           | Unconjugated  |
| <b>Applications</b>        | Used as a blocking peptide in immunoblotting applications.  |
| <b>Format</b>              | Liquid  |
| <b>Concentration</b>       | 200 µg/mL   |
| <b>Size</b>                | 0.05 mg   |
| <b>Preservative</b>        | None  |
| <b>Storage</b>             | -20°C   |

### GENE INFORMATION

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| <b>Gene Name</b>       | <a href="#">DPAGT1 dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminephosphotransferase 1 (GlcNAc-1-P transferase) [ Homo sapiens (human) ]</a>  |
| <b>Official Symbol</b> | DPAGT1   |
| <b>Synonyms</b>        | DPAGT1; dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminephosphotransferase 1 (GlcNAc-1-P transferase); GPT; ALG7; DGPT; G1PT; UAGT; UGAT; CDG1J; DPAGT; CDG-Ij; CMSTA2; DPAGT2; D11S366; UDP-N-acetylglucosamine--dolichyl-phosphate N-acetylglucosaminephosphotransferase; GlcNAc-1-P |

transferase; N-acetylglucosamine-1-phosphate transferase; dolichyl-phosphate alpha-N-acetylglucosaminyltransferase; UDP-GlcNAc:dolichyl-phosphate N-acetylglucosaminephosphotransferase; dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminephosphotransferase 1 (GlcNAc-1-P tra

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| <b>Entrez Gene ID</b> | <a href="#">1798</a>   |
| <b>mRNA Refseq</b>    | <a href="#">NM_001382</a>  |
| <b>Protein Refseq</b> | <a href="#">NP_001373</a>  |
| <b>UniProt ID</b>     | Q9H3H5   |
| <b>Pathway</b>        | Asparagine N-linked glycosylation; Biosynthesis of the N-glycan precursor (dolichol lipid-linked oligosaccharide; Metabolism of proteins; N-Glycan biosynthesis; N-glycan precursor biosynthesis; Post-translational protein modification; dolichyl-diphosphooligosaccharide biosynthesis            |
| <b>Function</b>       | UDP-N-acetylglucosamine-dolichyl-phosphate N-acetylglucosaminephosphotransferase activity; UDP-N-acetylglucosamine-dolichyl-phosphate N-acetylglucosaminephosphotransferase activity; phospho-N-acetylmuramoyl-pentapeptide-transferase activity; transferase activity, transferring glycosyl groups |

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