

Product datasheet for **SC320266**

DPAGT1 (NM_001382) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPAGT1 (NM_001382) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPAGT1
Synonyms:	ALG7; CDG-1j; CDG1J; CMS13; CMSTA2; D11S366; DGPT; DPAGT; DPAGT2; G1PT; GPT; UAGT; UGAT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001382.2
 GGTGTCCCAGCGCGGCTCAAGTCAGAGTTGCTGGGTTTTGCTCAGATTGGTGTGGGAAG
 AGCCTGCCTGTGGGGAGCGGCCACTCCATACTGCTGAGGCCTCAGGACTGCTGCTCAGCT
 TGCCCGTTACCTGAAGAGGCGCGGAGCCGGGCCCTGACCGGTACCATGTGGGCCTTC
 TCGGAATTGCCATGCCGCTGCTGATCAATTTGATCGTCTCGTGTGGATTTGTGGCC
 ACAGTCACCCTCATCCCGCCTTCCGGGGCCACTTCATTGCTGCGCGCCTCTGTGGTCAG
 GACCTCAACAAAACCAGCCGACAGCAGATCCAGAATCCAGGGAGTGATCAGCGGTGCT
 GTTTTCCTTATCATCCTTCTGCTTCATCCCTTCCCTTCCCTGAACTGCTTTGTGAAG
 GAGCAGTGAAGGCATCCCCCACCATGAATTTGTGGCCCTGATAGGTGCCCTCCTTGCC
 ATCTGCTGCATGATCTTCTGGGCTTTGCGGATGATGACTGAATCTGCGCTGGCGCCAT
 AAGCTGCTGCTACCTACAGCTGCCTCACTACCTCCTCATGGTCTATTTACCAACTTT
 GGCAACACGACCATTGTGGTGCCCAAGCCCTCCGCCGATACTGGCCTGCATCTGGAC
 TTGGGAATCCTGTACTATGTCTACATGGGGCTGCTGGCAGTGTCTGTACCAATGCCATC
 AATATCCTAGCAGGAATTAACGGCCTAGAGGCTGGCCAGTCACTAGTCATTTCTGCTTCC
 ATCATTGTCTTCAACCTGGTAGAGTTGGAAGGTGATTGTCGGGATGATCATGTCTTTTCC
 CTCTACTTCATGATACCCTTTTTTTTACCACCTTTGGGATTGCTCTACCACAACCTGGTAC
 CCATCACGGGTGTTTGTGGGAGATACCTTCTGTTACTTTGCTGGCATGACCTTTGCCGTG
 GTGGGCATCTTGGGACACTTCAGCAAGACCATGCTACTATTCTTCATGCCCCAGGTGTTT
 AACTTCTCTACTCACTGCCTCAGCTCCTGCATATCATCCCTGCCCTCGCCACCGCATA
 CCCAGACTCAATATCAAGACAGGCAAACCTGGAGATGAGCTATTCGAAGTTCAAGACCAAG
 AGCCTCTCTTTCTTGGGCACCTTTATTTTAAAGGTGGCAGAGAGCCTCCAGCTGGTGACA
 GTACACCAGAGTGAGACTGAAGATGGTGAATTCATGAATGTAACAACATGACCCCTCATC
 AACTTGTACTTAAAGTCTTGGGCCATACATGAGAGAACTCACATTGCTCCTGCTG
 CTGCTGCAGATCCTGGGAGTGCCATCACCTTCTCCATTTCGATATCAGCTCGTTGACTC
 TTCTATGATGTCTGAGTCCCTTGATCATTGTCCTTTACCTCACAGTCTCTAGGATTCCTG
 ACTCAGGCTGACCTCTCTCTGTTGCCAGACTGCCTCCTTGGCCAGGCCTCTCTCACTC
 TTCATACTCCTCCAGATTTTGTCTCAGCATTTCCTTCTCTGTGATCATTGGCATCCT
 GGGCGTTTCTGGCCCTGCTGACTACTGATTGGATTTTACCTATGGCTTTCTGCAACTT
 GCTACTCTCTCCCTCTCCATCCATCTTGCAGCCTCATAGGGTGGGATACAGCAGCTTT
 TTTTGCAGTTATCCACACTCACATTTTCCAGAGTCTGACTCTCAAGGAACCACTGGTTTTT
 GGGATAGAACTTGGGCCAGGGCTAGGAACACAGGCTCCACGGTGACATGTCATTTGATTG
 TAAATTAAGTGTCTGATTAGTAAGAACTAAGCAGGGGGCCACATGCTCTCAATGGAGAC
 AATAAAGTGTGTCTTTTTCTTATAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001382

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001382.2 , NP_001373.2
RefSeq Size:	2159 bp
RefSeq ORF:	1227 bp
Locus ID:	1798
UniProt ID:	Q9H3H5
Cytogenetics:	11q23.3
Domains:	Glycos_transf_4
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript, and encodes the longer isoform (a).</p>