

Product datasheet for **MG206451**

Dpagt1 (NM_007875) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpagt1 (NM_007875) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dpagt1
Synonyms:	AU021132; Dpagt2; Gnpta; GPT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206451 representing NM_007875 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGGCCTTCCCGGAGTTGCCCTGCCGCTGCCGCTGCTGGTGAATTTGATCGGCTCGCTGTTGGGAT
TCGTGGCTACAGTCACCCTCATCCCTGCCTCCGTAGCCACTTTATCGCCGCGCGCCTCTGTGGCCAGGA
CCTCAACAAGCTCAGCCAGCAGCAGATCCCAGAGTCCCAGGGAGTGATCAGCGGTGCTGTTTTCTTATC
ATCCTCTTCTGCTTCATCCCTTCCCTTCCTGAAGTCTCGTGGAGGAGCAGTGAAGGCATTCCTCC
ACCATGAATTTGTGGCCCTAATAGGTGCCCTCCTTGCCATCTGCTGCATGATCTTCTGGGGTTTGCTGA
TGATGTCCTCAATCTCCGCTGGCGCCACAAGCTGCTGCTGCCACAGCTGCCTCACTACCTCCTCATG
GTCTACTTCACAACTTTGGCAATAACAACCATCGTGGTGCCCAAGCCCTCCGCTGGATTCTGGGCTGC
ATTTGGACTTGGGGATCCTGACTACGTCTACATGGGGCTGCTTGCAAGTGTCTGTACCAATGCCATCAA
CATCCTGGCGGGCATTAAATGGCCTAGAGGCCGGTCAGTCACTAGTCATCTCTGCTTCTATCATTGTCTTC
AACCTGGTGGAAGTGAAGGTGATTATCGAGATGATCATATCTTTCCCTTACTTCATGATACCATTTT
TCTTTACCACCTTGGGACTGCTTACCACAAGTGGTACCCGTCCCGCTGTTTGTGGGAGACACCTTCTG
TTACTTTGGCGGCATGACTTTTCCCGTGGTGGGATCTTGGGACACTTCAGCAAGACCATGCTGCTCTTC
TTTATGCCACAAGTATTCAATTTCTCTACTCACTGCCTCAGCTCTTCCATATCATCCCTGCCCTCGAC
ACCGGATGCCAGACTCAACGCAAAGACAGGCAAAGTGGAAATGAGCTATTCCAAGTTCAAGACCAAGAA
CCTCTCTTTCTGGGCACCTTTATTTAAAGGTAGCAGAGAACCCTCCGGTATAGTGACAGTTCACCAAGGT
GAGAGTGAGGACGGTGCCTTCACTGAGTGAACAACATGACCCTCATCACTTGTACTTAAAGTCTTTG
GGCCTATACATGAGAGAAACCTCACCTGCTCCTGCTCCTGCAGGTCTAAGCAGCGCCGCCACCTT
CTCCATTCGTTACCAACTCGTCCGACTCTTCTATGATGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206451 representing NM_007875
 Red=Cloning site Green=Tags(s)

MWAFPELPLPLLLVNLIGSLLGFVATVTLIPAFRSHFIAARLCGQDLNKL SQQQIPESQGVISGAVFLI
 ILFCFIPFPFLNCFVEEQKAFPHHEFVALIGALLAICMIFLGFADDVNLNRWRHKL LPTAASLPLLM
 VYFTNFGNTTIVVPKFRWILGLHLDLGLIYVVYMGLLAVFCTNAINILAGINGLEAGQSLVISASIIVF
 NLVELEGDYRDDHIFSLYFMIPFFFTLLGLLYHNWYPSRVFVGDTF CYFAGMTFAVVGILGHFSKTMLLF
 FMPQVFNFLYSLPQLFHIIPCRHRMPRLNAKTGKLEMSYSKFKTKNLSFLGTFILKVAENLR LVTVHQG
 ESEDGAFTECNM TLINLLLKVFGPIHERNL TLLLLLLQVLSSAATFSIRYQLVRLFYDV

TRTRPLE - GFP Tag - V

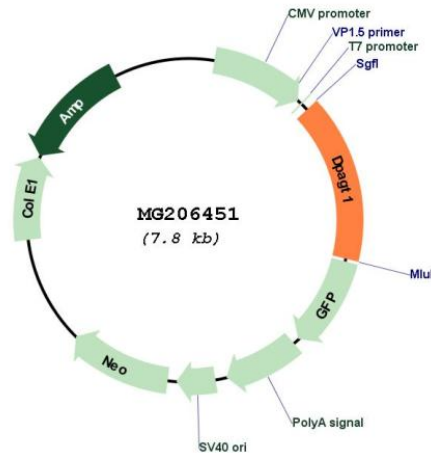
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_007875

ORF Size:	1230 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_007875.3
RefSeq Size:	1920 bp
RefSeq ORF:	1233 bp
Locus ID:	13478
UniProt ID:	P42867
Cytogenetics:	9 24.84 cM
Gene Summary:	Catalyzes the initial step of dolichol-linked oligosaccharide biosynthesis in N-linked protein glycosylation pathway: transfers GlcNAc-1-P from UDP-GlcNAc onto the carrier lipid dolichyl phosphate (P-dolichol), yielding GlcNAc-P-P-dolichol.[UniProtKB/Swiss-Prot Function]