

Product datasheet for MR204217

Dpagt1 (BC003943) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Dpagt1 (BC003943) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Dpagt1 |
| Synonyms: | AU021132; Dpagt2; Gnpta; GPT |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >MR204217 representing BC003943 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCTTCTGGGGTTTGCTGATGATGTCCTCAATCTCCGCTGGCGCCACAAGCTGCTGCTGCCACAG
CTGCCTCACTACCTCTCCTCATGGTCTACTTCACAACTTTGGCAATACAACCATCGTGGTGCCCAAGCC
CTTCCGCTGGATTCTGGCCTGCATTTGGACTTGGGGATCCTGTACTACGTCTACATGGGCTGCTTGCA
GTGTTCTGTACCAATGCCATCAACATCCTGGCGGGCATTAAATGGCCTAGAGGCCGGTCACTCACTAGTCA
TCTCTGCTTCTATCATTGTCTTCAACCTGGTGGAACTGGAAGGTGATTATCGAGATGATCATATCTTTTC
CCTTTACTTATGATACCATTTTTCTTTACCACCTTGGGACTGCTTTACCACAACCTGGTACCCGTCGCCG
GTGTTTGTGGGAGACACCTTCTGTTACTTTGCGGGCATGACTTTTGCCGTGGTGGGGATCTTGGGACACT
TCAGCAAGACCATGTGCTCTTCTTTATGCCACAAGTATTCAATTTCTCTACTCACTGCCTCAGCTCTT
CCATATCATCCCCTGCCCTCGACACCGGATGCCAGACTCAACGCAAAGACAGGCAAACCTGGAAATGAGC
TATTCCAAGTTCAAGACCAAGAACCTCTCTTCTGGGCACCTTTATTTTAAAGGTAGCAGAGAACCTCC
GGTTAGTGACAGTTCACCAAGGTGAGAGTGAGGACGGTGCCTTCACTGAGTGAACAACATGACCCTCAT
CAACTTGCTACTTAAAGTCTTTGGCCTATACATGAGAGAAACCTCACCTGCTCCTGCTGCTCCTGCAG
GTCTTAAGCAGCGCCGCCACCTTCTCCATTCGTTACCAACTCGTCCGACTCTTCTATGATGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204217 representing BC003943
 Red=Cloning site Green=Tags(s)

MIFLGFADDVLNLRWRHKLLLPAAASPLLMVYFTNFGNTTIVVPKPFWRWILGLHLDLGILYVVMGLLA
 VFCTNAINILAGINGLEAGQSLVISASIVFNLVELEGDYRDDHIFSLYFMIPFFFTTLGLLYHNWYPSR
 VVGDTEFCYFAGMTFAVVGILGHFSKTMLLFFMPQVFNFLYSLPQLFHIIPCPRHRMPRLNAKTGKLEMS
 YSKFKTKNLSFLGTFILKVAENLRLVTVHQGESEDGAFTECNNMTLINLLLKVF GPIHERNLTL LLLLLLQ
 VLSSAATFSIRYQLVRLFYDV

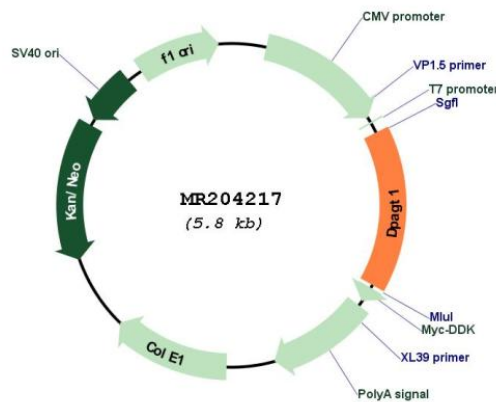
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC003943

ORF Size: 903 bp

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| 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: | BC003943.1 |
| RefSeq Size: | 1639 bp |
| RefSeq ORF: | 905 bp |
| Locus ID: | 13478 |
| Cytogenetics: | 9 24.84 cM |
| MW: | 34.4 kDa |
| 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] |