

Product datasheet for **MC219432**

Fpgt (NM_029330) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fpgt (NM_029330) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fpgt
Synonyms:	1700016E03Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219432 representing NM_029330
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGTCTCTCCGGAAGCCACCTGCGGAACTGCGCAGATTTCTGAGCTGAGAGGCAAACCCGTGG
CAGCTGGAGAATTCTGGGATGTGGTTGCAATAACAGCAGCTGATGAAAAGCAGGAGCTCGCTTACAAGCA
ACAGTTGTCCGAGAAGCTGAAGAAAAGGAATTCCTCTTGAGTTCAATACCATGTTTTCCAGATCCT
GCTGGGACCAAAATTGGAATGGAGGATCAACTTTGTTCCCTTGAGTGTGGAAAGCCTCTGTGGAG
ACAAATGGAAATCTCTGAAGTCTGCTAATCCACTCTGGTGGCTACAGCCAACGCCTTCCAATGCGAG
TGCTTTAGGAAAGATCTCACAGCCTTACCCTTGGTGAACCCATTTATCAGATGTTGGAGTTAAACTA
GCCATGTACGTGGATTTCCCTCAAACATGAGGCCTGGAGTCTGGTACCTGTGCAGATGATATCGAAC
TCTACAGTGTGGGACAGTACATTCCTTTGACCAGCCTGGCTTTACTGCCTTAGCCCATCCGTC
TAGTCTGGCTGTAGGCACTACTCATGGAGTATTTGTCTTGCACTCTGACAGTTCTTACAACATGGTGAC
CTTGAGTACAGGCAATGCTACCAATTCCTCCACAAGCCACCATTGAAAACATGCACCGCTTAAATGCTG
TGCATAGACAACGAAGCTTTGGTCAACAGAACTTGTCTGGAGGTGACACTGACTGTCTTCCATTGCACAC
TGAGTATGTCTACACAGATAGCCTGTTTTACATGGATCACAAATCAGCCAAAAGTTACTTGATTCTAT
AAAAGTGAAGGCCACTGAACTGTGAAATAGATGCCTATGGAGACTTTCTTCAGGCACTGGGCTGGAG
CAACTGCAGAGTACACCAGGAACACATCTCATGCTACTAAAGAAGAGTCCCAGTTGTTGGACATGAGGCA
GAAAATATTCCACCTCCTCAAGGGAACACCCTGAATGTTGTTGTTCTTAATAACTCCAGATTTTATCAC
ATTGGAACACTGCAAGAGTATCTGCTTCATTTACCTCTGATAGTGCATTAAGACGGAGCTGGGCTTAC
AATCCATAGCTTTCAGTGTCTCTCAAGTGTTCCTGAGCGCTCCAGTGGAACAGCCTGTGCATTACAG
TATAGTGGATTACAGGATGCTGTGTGGCCCTGGCTCAGTGGTAGAGTATTCTAGATTGGGCTGAGGTG
TCCATCGGGGAAAAGTGCATTATCAGCAGTTCTGTCTAGCAAAAAGTGTGTGCCAGCATATTCTTTT
TGTGTTCTTAAAGTGTGAAGATAAATGGACTTAAAATATTCTACTATGGTGTGGCATGCAAGACAA
CTTGAAGAACAGTGTAAAACACTGGAAGACATAAAGGCCTTCAAGTCTTTGGAGTCTGTTTTCTGTCT
TGTTTAGACATTTGGAATCTTAAAGCTACAGAGAACTATTCTCTGAAAATAAGTGAATCTGAGCCTGT
GGACTGCATGCAATTTCCCTGTCTGTTTCTCTGAGTGTGAGTGGCTACAGCATCCCTGGGATGTTAAG
CGCTGTAAGGAACCATTCACCATTCAACCTAAGTACTTAACTTTTGTCCATCCAGGAAATGCTGTGC
TACAAAGATGTACAAGACATGCTAGCTTATAGGGAACACATTTTCTAGAAATTAGTTCAAATAAAAATC
AATCTGATTTAGAGAAATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_029330

Insert Size: 1773 bp

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).

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:

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_029330.2](#), [NP_083606.2](#)

RefSeq Size: 3526 bp

RefSeq ORF: 1773 bp

Locus ID: 75540

UniProt ID: [G5E8F4](#)

Cytogenetics: 3 H4

Gene Summary: Catalyzes the formation of GDP-L-fucose from GTP and L-fucose-1-phosphate (PubMed:14686921). Functions as a salvage pathway to reutilize L-fucose arising from the turnover of glycoproteins and glycolipids (Probable).[UniProtKB/Swiss-Prot Function]