

Product datasheet for **RR208726**

Fpgt (NM_199494) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fpgt (NM_199494) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fpgt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR208726 representing NM_199494
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGACTCTCCGGAAGCCACCTGCGGAACTGCGCAGATTTTCGGAGCTGAGAGGCCAAACCTGTGG
 CAGCTGGAGAATTCTGGGATGTGGTTGCGATAACAGCAGCCGATGAAAAGCAGGAGCTCGCTTACAAGCA
 GCAGTTGTCAGAAAAGCTGAGAAGAAAGGAATTGCCTCTTGAGATTCAATACCATGTTTTCTGATCCT
 GCTGGGACCAAAATTGGAATGGAGGATCGACACTTTGTTCCCTTCAGTGCCTAAAAAGCCTCTATGGAG
 ATGAATGGAAATCTTTCAAGTCTGTTAATCACTCCGGTGGCTACAGTCAACGCCTTCCCAATGCAAG
 TGCTTTAGGAAAGATCTTACAGCCTTACCCTTGGTGAACCCATCTATCAGATTTGGAGTTAAAACTA
 GCCATGTACGTGGATTTCCCTCACACATGAAGCCTGGAGTCTTGGTACCTGTGCAGATGACATTGAAC
 TGTACAGTGTGGGACTGTCAGTACATTGCCTTTGACCAGCCTGGCTTACTGCCTTAGCCCATCTTC
 CAGTCTGGCTGTAGGCACCACACACGGAGTATTTGTCTTGCCTCTGCCAGTTTCTTACAACATGGTGAC
 CTTCAGTACAGACAATGCCACCGTTTCCCTCCACAAGCCACCATTGAAAACATGCATCAGTTAATGCTG
 TGCAAAGACAAGGAAGCTTTGCTCAACAGGACTTCCCTGGAGGTGACACCGCGTGTCTTCCATTGCACAC
 TGAGTATGTCTACACAGATAGCCTGTTTTACATGGACCACAAATCGGCCAAAAAGTTACTTGATTCTAT
 AAAATGTAAACCAACTGAACTGTGAAATAGATGCCTATGGTACTTTCTGCAGGCACTGGGCGCTGGAG
 CAACTGCAGAGTATACCAGGAACACATCACATGCTACTAAGAAGACTCCCAGTTGTTGGACATGAGGCA
 GAAAATATTCCACCTCCTCAAGGGACACCACTGAATGTTGTTGTTCTTAATAACTCCAGATTTTATCAC
 ATTGGAACAACAAGAATATCTGCTTCATTTACGTCTGATAGTACGTTAAGGTCAAGAGCTAGGCTTA
 CAGTCCATAGCTTTCAAGTGTCTCTCAAGTATCCCTGAATCCCAATGAAACAGCCTGTATCATTAC
 AGTATACTGGGATTCAGGATGCTGTGTGGCACCTGGCTCAGTTGTAGAGTATTCTAGACTGGGCGCTGAG
 GTGTCCATTGGGAAAACCTGCATTGTGCAGCAGCTCTGTCTAGCAAACTGCTGTGCCGCATATTCTT
 TTGTGTGTTCTTAAGTGTGAGGACAAATGGACTCTTGAATATTCTACCATGGTGTGTTAGTGTGCAGGA
 CAACTGAAAGGCAGTGTAAAACCTGGAAGATATAAAGGCACTTCAAGTTCTTTGGAGTCTGTTTCTTG
 TCTTGTGTTAGACATCTGGAACCTTAAAGCTACAGAGAACTGTTCTGGAAGTAAGAGGAACTGAGCC
 TGTGGACTGCACGGATTTCCCTGTCTGCTTCTCTGAGTGAGTCAGTTACAGCATCCCTTGGGATGTT
 AAGTGCTGTAAGGAGCCATTACCATTAGCCTAAGCAACTTTAAGCTGATGTCCATCCAGGAAATGCTT
 GTCTACAAGATGTACAAGACATGCTAGCTTATAGGGAGCAAATTTTCTAGAAATTAATCAAATAAAA
 AACAACTGATTTAGAGAAATCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208726 representing NM_199494
 Red=Cloning site Green=Tags(s)

METLREATLRKLRRFSELRGKPVAAAGEFWDVVAITAADEKQELAYKQQLSEKLRRKELPLGVQYHVFPDP
 AGTKIGNGGSTLCSLQCLKSLYGDWNSFKVLLIHSGGYSQRLPNASALGKIFTALPLGEPYIYQMLELKL
 AMYVDFPSSHMPGVLVTCADDIELYSVGDQYIAFDQPGFTALAHPSLAVGTTTHGVFVLSASSLQHGDL
 LQYRQCHRFLHKPTIENMHQFNVAQRQGSFAQQDFPGGDTACLPLHTEYVYDLSLFYMDHKSAKKLLDFY
 KNVNQLNCEIDAYGDFLQALGPGATAEYTRNTSHVTKEDSLLDMRQKIFHLLKGTPLNVVVLNNSRFYH
 IGTTQEYLLHFTSDTLRSRRLTVHSFQVSLQVSLNPPMKQPVSFVYWDSGCCVAPGSVVEYSRLGPE
 VSIGENCIVSSSVLANTAVPAYSFVCSLSVRTNGLLEYSTMVFSVQDNLKGSVKLTLEDIKALQFFGVCF
 SCLDIWNLKATEKLFSGSKRNLSLWTARIFPVCPSESVTASLGMLSAVRSHSPFSLSNFKLMISIQEML
 VYKDVQDMLAYREQIFLEINSNKKQSDLEKS

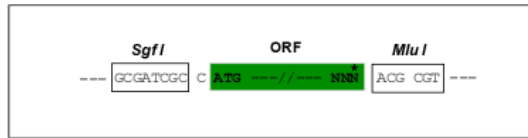
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_199494

ORF Size: 1773 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:

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_199494.1](#), [NP_955788.1](#)

RefSeq Size: 1797 bp

RefSeq ORF: 1776 bp

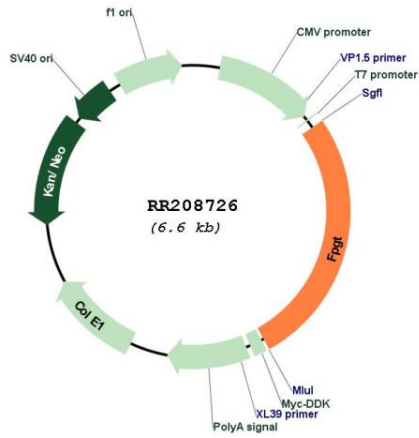
Locus ID: 310935

Cytogenetics: 2q45

MW: 66 kDa

Gene Summary: human homolog participates in an alternate pathway for the biosynthesis of GDP-fucose and GDP-beta-L-fucose [RGD, Feb 2006]

Product images:



Circular map for RR208726