OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC215556

FPGT (NM_003838) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	FPGT (NM_003838) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	FPGT
Synonyms:	GFPP
ACCN:	NM_003838
Insert Size:	2000 bp

View online »

Insert Sequence:

>SC215556 3'UTR clone of NM_003838
The sequence shown below is from the reference sequence of NM_003838. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAAATCAGTTTAAAAAGCAGTTTGATGTAGAGATATTTTAAATATTGTACACTTTGCCTTTTTGAGTAA
CATTCCAGAGATAGGTATTTTTTGTAGGCTGTTTCACTGAACTCAGTTAATGAAAACTGTATTAACATA
ATTGTTGTAGCATAATATTAATAGTGCAAAAGTACATATAAGTCATTTTGATGAAAAATATTCCAAGAC
TAAGTTGAGAAAAGAGATACTATTTTGGATGTGTATCAGTATTTTTGTTTTTAATAATGATTGATTTGT
GGAGCATTGTTTTTTCACATAATTAGTTTTAAAGGTAATTTTCTAAGCATACCTTTGGAATTTTTCCAT
CTTTTTTGAGGCTTTTGGTCCAGTGAAGTTCTAAGTATTCACTGGCACTTCTCTCCTCAACTGTAATTC
TATTTTTAATAATAAAAATGGCATACTGTAGGGTCTTCAGAGTAGTGTAGGAATACTGTAGAAATACTT
TTTCAGAAACGAATCCATAGCTGACAAATTCACTCAGTGCCCAATATATTGTGATTATTTTCGTTGATA
AAGAACTAGATACAAAGACCTCTGAAATTGATGATAAAATTTGTATCTCATTAATTTTATCAAAATGAA
ACTAAAAGTACATATGTATTATACACTTGAACATGTGTTTGTATATCTTTAAAATTTTCCTTTATGTTC
CATTCCATAGGAAAACACACATATGCACACAAAACTCAGTTATCTGTGGGGAAAGTGGTAGTAATAATT
GAGATTCATCAATAATCATATAATTTCACTATAGACATTACTTGCATTATCTCCTATCAGTCCTTCTAA
CAAAACTTCAATTACCAGATGAACTGACTTTAGTTTTCATCTTATTTTTTGTCCACATGCTGGTGATGC
TGAGAAACAATAATTGGCCCAAATGCAGACATCAAGAAGCAGGCAGGAAAATGGAAAAACTGAGATAAT
ACACAGGTGATAAACAGTTTCGAGAAAATAAAAATTGGCTAGAATCTCAAGTTATGTGTTTCTATATTG
GTATAAGCATATAAGTGAAAAGTCTTATAAGTGTAATAGAGAAAAGATTTGTCAGTGTGTTTTTTTAAA
TGAAATAACTAGTCTGTGCTACTTTATGTCAATATAAAAATTGGTAAACTAGAAGTAACTTGTCCACAA
CCCTCAGTTATGATACTTATGTGCGTGTTTTTTTTTCCAAAGTTTTTCCCAAGGAGAAGATACAAATAT
ATGGTAGCTATTGTTTAAAAATGATTGATTTACTTGCAGATTTTTCAGAGGATGTTATGTCTTTGTCAT
TCATTAAATGTTCAAAATTGTAGTTTTACCAAATCTGAAGTGCCATCAGTTATAAGAATCACCATTATT
TTATGTTCCATTAAGAAAAACACAATAAAACATGACACTGCTTTTTTTGTTACTTGAAATTTTCATATT
TATTGGAGAGCTCTTTTAGATGTTTTTAAATACAGATTTTTATTTAACCCTCTTGCATATACATATAAA
ATAACAAAAAAATAAAATATTGAGATATCATCAAGAAATTTCTACAGCTTCACATTCAAACTCTTCAGC
ACTTTCAGAGCTATTGATATGCATATGTCCACCTAGTACCATCTTCTCTGCTTTCAGAATTATTGGTAA
GGCTGCATTTCCTGAGTGCTCTACCACACTTATGTCTGGATTTTTTTTACCCAGCTACAGACCCACACT
CCTGCAAGATTTGATACCCTTCTATTTGGCAAAACTCAGTTTCACTTTTCTTTCAGTTTAATCACAGGT
CCTTAGAAGATCGGACCTGTGATTCTATTCAAAGTCAGAAAGAGATTTCTCACAAATTGACGTCATATT
AACATGTCAATATGAAAATTAATTGTTTGGTAAACCAGAAGTGACCTGTCTGAAGCCCTCAATTGTGGT
ATTTGTGTGTTTGTTTTTTCTTTTTCAAGATTCTTTTTAAAGAAAATATATGGTAGCTGTTGTTTAAC
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_003838.5

Summary: L-fucose is a key sugar in glycoproteins and other complex carbohydrates since it may be involved in many of the functional roles of these macromolecules, such as in cell-cell recognition. The fucosyl donor for these fucosylated oligosaccharides is GDP-beta-L-fucose. There are two alternate pathways for the biosynthesis of GDP-fucose; the major pathway converts GDP-alpha-D-mannose to GDP-beta-L-fucose. The protein encoded by this gene participates in an alternate pathway that is present in certain mammalian tissues, such as liver and kidney, and appears to function as a salvage pathway to reutilize L-fucose arising from the turnover of glycoproteins and glycolipids. This pathway involves the phosphorylation of L-fucose to form beta-L-fucose-1-phosphate, and then condensation of the beta-L-fucose-1-phosphate with GTP by fucose-1-phosphate guanylyltransferase to form GDP-beta-L-fucose. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring downstream TNNI3 interacting kinase (TNNI3K) gene. [provided by RefSeq, Dec 2010]

Locus ID: 8790

MW: 78.8