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Product datasheet for MC201036

Gfpt1 (NM_013528) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gfpt1 (NM_013528) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gfpt1
Synonyms:	2810423A18Rik; AI324119; AI449986; GFA; GFAT; GFAT1; GFAT1m; Gfpt
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>BC010516 sequence for NM_013528
CGGACGCGTGGGCTCATTGCCACCACCCCGGCCCGAGCTCACCCTCGCTTCTGAAGCTCTCCGCGCGCCC
GACAGCTCAGCCCTCGCCCGTGACCAACATCATGTGCGGTATATTTGCTTATTTAAATTACCATGTTCCT
CGAACAAGACGAGAAATCTTGGAGACACTAATCAAAGGCCTTCAGAGACTGGAATACAGAGGATATGATT
CTGCTGGTGTGGGACTTGACGGAGGCAATGACAAAGACTGGGAAGCCAACGCCTGCAAAATCCAGCTCAT
TAAGAAGAAAGGAAAAGTTAAGGCACTGGATGAAGAAGTTCACAAACAACAAGATATGGACTTGGATATA
GAATTTGATGTGCATCTTGGAATAGCTCATACCCGTTGGGCGACAACAGGAGAACCCAATCCTGTCAATA
GTCACCCCCAGCGCTCTGATAAAAATAATGAATTCATTGTTATTCATAATGGAATCATCACCAACTACAA
AGACTTGAAAAAGTTTCTGGAAAGCAAAGGCTATGACTTTGAATCTGAAACAGACACAGAAACCATTGCC
AAGCTCGTCAAGTACATGTATGACAACTGGGAGAGCCAGGACGTCAGTTTTACCACCTTGGTGGAGAGAG
TTATCCAACAATTGGAAGGCGCCTTTGCTCTTGTGTTTAAAAGTGTCCATTTTCCCGGGCAAGCAGTTGG
CACAAGGCGAGGTAGCCCTCTCTTGATTGGTGTGCGGAGTGAACATAAGCTTTCTACAGATCACATTCCG
ATTCTGTACAGAACAGGCAAAGACAAGAAAGGAAGCTGCGGTCTTTCCCGTGTGGACAGCACGACATGCC
TGTTCCCTGTTGAGGAAAAGGCAGTTGAATATTACTTTGCTTCTGATGCAAGTGCCGTGATAGAGCACAC
CAATCGTGTCATCTTTCTGGAAGATGATGATGTTGCAGCAGTGGTGGATGGCCGTCTCTCTATCCACCGA
ATTAAACGAACTGCAGGAGACCATCCTGGCCGAGCTGTGCAAACTCTCCAGATGGAGCTCCAGCAGATCA
TGAAGGGCAACTTTAGTTCATTTATGCAGAAGGAAATTTTTGAGCAGCCAGAATCTGTTGTGAACACAAT
GAGAGGAAGAGTCAATTTTGACGACTACACTGTGAATTTGGGAGGTTTGAAAGATCACATTAAGGAGATC
CAGCGGTGTCGGCGGTTGATTCTTATTGCTTGTGGCACAAGTTACCACGCTGGTGTGGCAACCCGTCAGG
TCCTGGAGGAGCTGACCGAGCTGCCCGTGATGGTGGAGCTTGCCAGTGACTTCTTGGATAGAAACACTCC
AGTCTTTCGAGATGATGTTTGCTTTTTCATTAGTCAATCAGGCGAGACAGCTGACACCCTGATGGGACTT
CGTTACTGTAAGGAGAGAGGAGCCTTAACTGTGGGGATCACAAATACAGTCGGCAGTTCTATATCAAGGG
AGACAGATTGCGGGGTTCATATTAATGCTGGTCCTGAGATTGGCGTGGCCAGTACAAAGGCATACACCAG
CCAGTTTGTGTCCCTCGTGATGTTTGCTCTCATGATGTGTGATGACAGGATCTCCATGCAAGAGAGACGC
AAAGAGATCATGCTCGGACTGAAGCGACTGCCGGACTTGATTAAGGAAGTGCTGAGCATGGATGATGAAA
TCCAGAAGCTGGCGACGGAGCTTTACCACCAGAAGTCGGTCCTGATAATGGGGCGGGGCTACCATTATGC
TACATGCCTTGAAGGGGCTCTGAAAATCAAGGAGATTACTTATATGCATTCGGAAGGCATCCTTGCTGGT
GAGCTCAAGCACGGCCCTCTGGCCTTGGTGGACAAGTTGATGCCTGTCATCATGATCATCATGCGAGACC
ACACTTATGCCAAGTGCCAGAACGCTCTTCAGCAGGTGGTTGCACGGCAGGGGCGTCCAGTCGTGATCTG
TGATAAGGAGGATACTGAAACCATTAAGAATACAAAAAGGACAATCAAGGTGCCCCACTCAGTGGACTGC
TTGCAGGGCATTCTCAGTGTGATTCCCCTGCAGCTGCTGGCTTTCCACCTGGCTGTGCTGAGAGGCTACG
ATGTTGATTTTCCACGGAATCTTGCCAAATCTGTAACAGTAGAGTAACAGACACCTGAAACTTAAGACAG
TTAAGCAACACGAGATACCTTTTGTATTTAAATTTTTGATTTAAACTATTGCCTCCTGAAAGCCTTTTTT
TAGTAAATCTTATTTATATATCAGTTATAATTATATCAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_013528

Insert Size: 2046 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:	BC010516, AAH10516
RefSeq Size:	2302 bp
RefSeq ORF:	2046 bp
Locus ID:	14583
UniProt ID:	P47856
Cytogenetics:	6 37.81 cM
Gene Summary:	Controls the flux of glucose into the hexosamine pathway. Most likely involved in regulating the availability of precursors for N- and O-linked glycosylation of proteins. Regulates the circadian expression of clock genes ARNTL/BMAL1 and CRY1.[UniProtKB/Swiss-Prot Function]