

## Product datasheet for **MC201432**

### **Gfpt2 (NM\_013529) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gfpt2 (NM_013529) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gfpt2
Synonyms:	A1480523; GFAT2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >BC031928 sequence for NM\_013529  
 AGCGCGAGGCGCAGCGAGTCTGCTGAGCGTCTGGAGCGATCGGAGCCACCATGTGCGGAATCTTTGCCTA  
 CATGAATTACAGAGTTCCCAAGACAAGGAAAGAGATTTTCGAAACCCTTATCAGGGGTCTGCAGCGGCTG  
 GAGTACCGGGGCTATGACTCTGCGGGGTTGCCATTGATGGGAATAACCACGAAGTCAAAGAAAGACACA  
 TCCATCTTGTGAAGAAAAGGGGAAAGTAAAGGCTCTGGATGAAGAACTTACAAGCAAGATAGCATGGA  
 CTTGAAGGTGGAGTTTGAGACACACTTCGGCATTGCCACACACGTTGGGCCACCCACGGGGTCCCAAT  
 GCTGTCAACAGTCACCCGACGCTTCGGACAAAGACAATGAATTTGTTGTCATCCACAACGGGATCATCA  
 CTAATTACAAGGATCTAAGGAAGTTTCTGGAAAGCAAAGGCTACGAGTTTGAGTCAAGAAACAGACACGGA  
 GACCATCGCCAAGCTGATTAATATGTATTTGACAACAGAGAGACTGAGGACATAACGTTTTCCACATTG  
 GTCGAAAGAGTCAATTCAGCAGTTGGAAGGCGCCTTTGCACTGGTTTTCAAGAGTATTCACTACCCGGGAG  
 AAGCTGTGCGCCACGAGGAGAGGAGCCCTTGCTCATCGGGTACGAAGCAAATACAAACTCTCCACAGA  
 GCAGATCCCCGTCTTATATCCGACATGCAATATCGAGAATGTGAAGAATATCTGCAAGACTAGGATGAAG  
 AGACTGGACAGCTCCACCTGCCTGCACGCTGTGGGCGATAAAGCTGTGGAATTCTCTTTGCTTCTGATG  
 CAAGTGCCATCATAGAACACACCAACCGGGTCACTTCTTAGAAGATGATGATATCGCTGCAGTGGCTGA  
 TGGGAAACTCTCCATTCACCGAGTCAAGCGCTCAGCTACTGATGACCCCTCCCGACCCATCCAGACCTTG  
 CAGATGGAAGTGCAGCAATAATGAAAGTAACTTCAGCGCATTTATGCAGAAGGAGATCTTCGAGCAGC  
 CAGAATCAGTTTTAATACCATGAGAGGTGGGTGAATTTGAGACCAACACAGTCTCCTGGGTGGCTT  
 GAAGGACCATTTGAAAGAGATCCGACGATGCCGAAGGCTCATTGTGATTGGCTGTGGAACCAGCTACCAT  
 GCCGCTGTGGCTACACGGCAAGTCTTAGAGGAACTGACCGAGCTGCCTGTGATGGTTGAACTTGCCAGTG  
 ACTTTCTGGACAGGAACACACCTGTGTTCAAGGATGACGTTTGTCTTTTTCATAAGCCAATCAGGTGAGAC  
 TGCAGACACGCTCCTGGCGTGCGATACTGTAAGGATCGAGGTGCGCTGACCGTGGGCATACCAACACC  
 GTGGGTAGCTCCATCTCCCGGAGACTGACTGTGGCGTCCACATCAACGCAGGGCCCGAGATTGGGGTGG  
 CCAGACCAAGGCGTACACCAGCCAGTCTCTCTGTTGATGTTGGTTTGGTGGTGAAGATCG  
 AATTTCTCTACAGAACAGGAGACAAGAGATCATCCGTGGCTCAGATCTTTACCGGAGCTGATCAAAGAA  
 GTGCTGTCCCTGGATGAGAAGATCCATGACTTGGCCCTGGAGCTTACACACAAAGGTCTCTCCTCGTGA  
 TGGGACGGGGATAAATACTATGCCACATGTCTGGAAGTGCCTTAAAAATTAAGGAGATAACCTACATGCA  
 TTCAGAAGGTATCCTAGCCGGAGAGCTGAAGCAGGGCCCTTGTCTCGTGCACAAGCAGATGCCAGTC  
 ATCATGGTCATCATGAAGGATCCTTGTGTTGCCAAGTCCGAGAATGCCCTGCAGCAGGCTCACTGCCCGCC  
 AGGGTCGCCCAATCATACTGTGTTCCAAGGATGACACCGAGAGCTCCAAGTTGCATATAAAACCATTGA  
 ACTTCCCCACACAGTGGACTGTCTCCAGGGTATCCTGAGCGTGATTCCACTCCAGCTTCTGTCTCCAC  
 CTGGCTGTCTCCGAGGTTATGATGTTGACTTCCCAGAAACCTAGCCAAGTCTGTCACTGTGGAATGAG  
 AACAGGACTTCTATCACAAGACTGTCTGACCTGCAGTCTGATCAAGACCTGAACCAACTGCCAAGATG  
 CCACACGGGAAAGGAAGTGGGCCTCCGTGGGCCCTCATGCTTCCAGTAGAGCTTGACAGCTTTGACGCTG  
 CCTTGTACCCAAAGTGTCTTGTACAGCAATGCTGTTTCTCTGTGTCCTGACGTCAGTGAAGGGAT  
 TGTTTACACATGGGGATCAGAGCAGACTTCCACTACTGTGCAATAGAGATACCGCTCTCTTCAGAGTAA  
 CTGTGAACCTTTTTTAAACCAACTAGCTAGTTTTAAAGTCGAAATATTTATAATGACGATTGTATAG  
 CTTTTAAGTTATTTTTCTAATGTGTGGCTTTCTGTAGCCATGGTAACGCCCTAGCCCATGCCTCTGGACT  
 ACCCAGAGTGTCTCTGGACACACTCGTGCAGGTGTCATTCTCGTTTGGGGCACTGGCATGAGC  
 CCTTTGTCTCCTTTCTCTTTGTTTCCCTCCACAAGCTGCTCCTGATTCCCTGTCCCTGAAATCAACGCG  
 TCCCTCTCCCCTCTCCCTATGTTTCTTTGAGCCAGTTAAAGTCTCTCCTCTTTCAATATTCTCAGA  
 TGGACTCAAATTCCTTAGCTCTGACTTCTGCTTAATCAGATTATGGTTTTTTCTTAAGCCCAGGCAG  
 CACTTTGGTCCCGCTCCCTGTTTATAGTAAACCAGCCTGAGATGCCCCACACAAGGGCGGTTTCGTG  
 GGGCTGCCCTGCTCTATTTAAAGCGTGCACAATCAATGTACTATGCAATTTTACAATAAAGACAGTGCA  
 ACTTTTTAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_013529  
**Insert Size:** 2049 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC031928</a> , <a href="#">AAH31928</a>
<b>RefSeq Size:</b>	2965 bp
<b>RefSeq ORF:</b>	2049 bp
<b>Locus ID:</b>	14584
<b>UniProt ID:</b>	<a href="#">Q9Z2Z9</a>
<b>Cytogenetics:</b>	11 29.9 cM
<b>Gene Summary:</b>	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.[UniProtKB/Swiss-Prot Function]