

Product datasheet for **SC332085**

GFPT1 (NM_001244710) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GFPT1 (NM_001244710) Human Untagged Clone
Tag:	Tag Free
Symbol:	GFPT1
Synonyms:	CMS12; CMSTA1; GFA; GFAT; GFAT 1; GFAT1; GFAT1m; GFPT; GFPT1L; MSLG
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332085 representing NM_001244710.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTGTGGTATATTTGCTTACTTAAACTACCATGTTCTCGAACGAGACGAGAAATCCTGGAGACCCTA
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AATCTTGCCAAATCTGTGACTGTAGAGTGA
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001244710

Insert Size: 2100 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:	<ol style="list-style-type: none">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_001244710.1
RefSeq Size:	8703 bp
RefSeq ORF:	2100 bp
Locus ID:	2673
UniProt ID:	Q06210
Cytogenetics:	2p13.3
Protein Families:	Protease
Protein Pathways:	Alanine, aspartate and glutamate metabolism, Amino sugar and nucleotide sugar metabolism, Metabolic pathways
MW:	78.8 kDa
Gene Summary:	<p>This gene encodes the first and rate-limiting enzyme of the hexosamine pathway and controls the flux of glucose into the hexosamine pathway. The product of this gene catalyzes the formation of glucosamine 6-phosphate. [provided by RefSeq, Sep 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and it encodes the longer protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript for this combination of exons and introns was available for the full length of the gene. The extent of this transcript is supported by mouse accession AF334736.1 and PubMed ID: 11679416.</p>