

Product datasheet for PH300519

GFPT2 (NM_005110) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GFPT2 MS Standard C13 and N15-labeled recombinant protein (NP_005101)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200519
Predicted MW:	76.9 kDa
Protein Sequence:	>RC200519 protein sequence Red=Cloning site Green=Tags(s)

MCGIFAYMNYRVPRTKEIFETLIKGLQRLEYRGYDSAGVAIDGNNHEVKERHIQLVKKRGKVKALDEEL
YKQDSMDLKVEFETHFGIAHTRWATHGVPSAVNSHPQRSKGNFVVIHNGIITNYKDLRKFLESKGYEF
ESETDTETIAKLIKVYFDNRETEDITFSTLVERVIQQLEGAFALVFKSVHYPGEAVATRRGSPLLIGVRS
KYKLSTEQIPILYRTCTLENVKNICKTRMKRLDSSACLHAGDKAVEFFFASDASAIIEHTNRVIFLEDD
DIAAVADGKLSIHRVKRSASDDPSRAIQTLQMEQQIMKGNFSAFMQKEIFEQPESVFNTMRGRVNFETN
TVLLGGLKDHLEIRRCRRLIVIGCGTSYHAAVATRQVLEELTELPVMVELASDFLDRNTPVFRDDVCF
ISQSGETADTLALRYCKDRGALTVGVTNTVGSSI SRETDGCVHINAGPEVGVASTKAYTSQFISLVMFG
LMMSEDRI SLQNRQEIIRGLRSLPEL IKEVLSLEEKIHDLALELYTQRSLVMGRGNYATCLEGALKI
KEITYMHSEGILAGELKHGPLALIDKQMPVIMVIMKDPKCF AKQNALQQVTARQGRPIILCSKDDTESSK
FAYKTIELPHTVDCLQGILSVIPLQLLSFHLAVLRGYDVFPRNLAKSVTVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

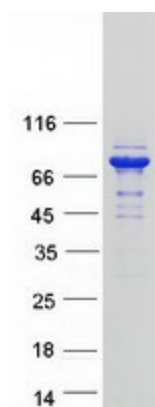
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005101
RefSeq Size:	3011



[View online »](#)

RefSeq ORF:	2046
Synonyms:	GFAT; GFAT 2; GFAT2
Locus ID:	9945
UniProt ID:	O94808 , A0A0S2Z4X9 , B3KMR8
Cytogenetics:	5q35.3
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.[UniProtKB/Swiss-Prot Function]
Protein Families:	Protease
Protein Pathways:	Alanine, aspartate and glutamate metabolism, Amino sugar and nucleotide sugar metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified GFPT2 protein (Cat# [TP300519]). The protein was produced from HEK293T cells transfected with GFPT2 cDNA clone (Cat# [RC200519]) using MegaTran 2.0 (Cat# [TT210002]).