

Glutamine--Fructose-6-Phosphate Transaminase 1 Human Recombinant

Item Number	rAP-1917
Synonyms	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1, D-fructose-6-phosphate amidotransferase 1, Glutamine:fructose-6-phosphate amidotransferase 1, GFAT 1, GFAT1, Hexosephosphate aminotransferase 1, GFPT1, GFAT, GFPT, CMSTA1, GFA, GFAT1m, GFPT
Description	GFPT1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 391 amino acids (332-669 a.a) and having a molecular mass of 43.7kDa.GFPT1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q06210
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSQQIMKGN FSSFMQKEIF EQPESVVNTM RGRVNFDDYT VNLG-GLKDHI KEIQRCRRLI LIACGTSYHA GVATRQVLEE LTELPMVEL ASDFLDRNTP VFRDDVCGFFL SQSGETADTL MGLRYCKERG ALTVGITNTV GSSISRETDC GVHINAGPEI GVASTKAYTS QFVSLVM-FAL MMCDDRISMQ ERRKEIMLGL KRLPDLIKEV LSMDDDEIQKL ATELYHQKSV LIMGRGYHYA TCLE-GALKIK EITYMHSEGI LAGELKHGPL ALVDKLMPI MIIMRDHTYA KCQNALQQVV ARQGRPVVIC DKEDTETIKN TKRTIKVPHS VDCLQGILSV IPLQLLAFHL AVLRGYDVDF PRNLAKSVTV E.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	GFPT1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 50% glycerol, 2mM DTT and 2mM EDTA. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**