

32-2356: GFPT1 Recombinant Protein

Alternative Name : 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,

Description

Source : Escherichia Coli. 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. Glutamine--Fructose-6-Phosphate Transaminase 1 (GFPT1) participates in the hexosamine pathway and controls the glucose fluidity into the hexosamine pathway. GFPT1 regulates the availability of precursors for N- and O-linked glycosylation of proteins. GFPT1 controls the circadian expression of clock genes ARNTL/BMAL1 and CRY1.

Product Info

Amount : 20 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : GFPT1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 50% glycerol, 2mM DTT and 2mM EDTA.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SGLVPRGSH MGSQQIMKGN FSSFMQKEIF EQPESVVNTM RGRVNFDDYT
VNLGGLKDHI KEIQRRLI LIACGTSYHA GVATRQVLEE LTLPVMVEL ASDFLDRNTP VFRDDVCFLL
SQSGETADTL MGLRYCKERG ALTVGITNTV GSSISRETDC GVHINAGPEI GVASTKAYTS QFVSLVMFAL
MMCDDRISMQ ERRKEIMLGL KRLPDLIKEV LSMDDEIQKL ATELYHQKSV LIMGRGYHYA TCLEGALKIK
EITYMHSEGI LAGELKHGPL ALVDKLPVI MIIMRDHTYA KCQNALQQVV ARQGRPVIC DKEDTETIKN
TKRTIKVPHS VDCLQGILSV IPLQLLAFHL AVLRGYDVDF PRNLAKSVTV E.