

32-2381: GNPAT1 Recombinant Protein

Alternative Name : Gpnat1,GNPNAT,GNA1,EC 2.3.1.4,FLJ10607,Glucosamine-Phosphate N-Acetyltransferase 1,Phosphoglucosamine acetylase,Phosphoglucosamine transacetylase,Glucosamine 6-Phosphate N-Acetyltransferase.

Description

Source : Escherichia Coli. GNPAT1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 207 amino acids (1-184a.a.) and having a molecular mass of 23.1KDa.GNPAT1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. GNPAT1 is a member of the GNA1 subfamily of the larger acetyltransferase family of proteins. GNPAT1 is limited to the Golgi apparatus and the endosome. GNPAT1 is vital for UDPGlcNAc biosynthesis pathway. GNPAT1 catalyzes the synthesis of GlcNAc6P from AcCoA and GlcN6P, a step in the UDP-GlcNAc6P formation pathway.

Product Info

Amount : 10 µg
Purification : Greater than 90% as determined by SDS-PAGE.
Content : The GNPAT1 protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 30% glycerol.
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.Please avoid freeze thaw cycles.
Amino Acid : MGSSHHHHHH SSSLVPRGSH MGSMKPDETP MFDPSLLKEV DWSQNTATFS PAISPTHPE
GLVLRPLCTA DLNRGFFKVL GQLTETGVVS PEQFMKSFEH MKKSGDYVVT VVEDVTLGQI VATATLIEH
KFIHSCAKRG RVEDVVVSDE CRGKQLGKLL LSTLTLLSKK LNCYKITLEC LPQNVGFYKK FGYTVSEENY
MCRRFLK