

GNPNAT1, 1-184aa, Human, His tag, E.coli

Cat.NO.: TP02299

3th Edition

Synonyms:Glucosamine-phosphate N-acetyltransferase, GNPAT, Gpnat1

Description:Glucosamine-phosphate N-acetyltransferase, also known GNPAT1, belongs to the GNA1 subfamily of the larger acetyltransferase family of proteins. It is localized to the Golgi apparatus and the endosome. It is important for UDPGlcNAc biosynthesis pathway. GNPAT1 catalyzes the synthesis of GlcNAc6P from AcCoA and GlcN6P, a step in the UDP-GlcNAc6P formation pathway

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,30% glycerol, 0.1M NaCl

Molecular Weight:23.1 kDa (207aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMKPDETPMFDPSLLKEVDWSQNTATFSPAISPHTHPGEGLVLRPLCTADLNR
GFFKVLGQLTETGVVSPEQFMKSFEHMKKSGDYVTVVEDVTLGQIVATATLIEHKFIHSCAKRGRVEDVVVSD
RGKQLGKLLSTLTLSSKLNKYKITLECLPQNVGFYKKFGYTVSEENYMCRRFLK

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.