www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

GNPNAT1 Human

Catalog #:ENPS-044

For research use only.

Description:GNPNAT1 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.GNPNAT1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMKPDETP MFDPSLLKEV DWSQNTATFS PAISPTHPGE GLVLRPLCTA DLNRGFFKVL GQLTETGVVS PEQFMKSFEH MKKSGDYYVT VVEDVTLGQI VATATLIIEH KFIHSCAKRG RVEDVVVSDE CRGKQLGKLL LSTLTLLSKK LNCYKITLEC LPQNVGFYKK FGYTVSEENY MCRRFLK

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The GNPNAT1 protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 30% glycerol.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
GNPNAT1 is a member of the GNA1 subfamily of the larger acetyltransferase family of proteins. GNPNAT1 is limited to the Golgi apparatus and the endosome. GNPNAT1 is vital for UDPGlcNAc biosynthesis pathway. GNPNAT1 catalyzes the synthesis of GlcNAc6P from AcCoA and GlcN6P, a step in the UDP-GlcNAc6P formation pathway.

Storage:
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.

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