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32-3062: NAGK Recombinant Protein

Alternative Name : N-acetylglucosamine kinase,GNK,GlcNAc kinase,N-acetyl-D-glucosamine kinase,HSA242910,EC 2.7.1.59.

Description

Source : E.coli. NAGK Human Recombinant produced in E. coli is a single polypeptide chain containing 367 amino acids (1-344) and having a molecular mass of 39.8kDa.NAGK is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. NAGK is a member of the eukaryotic-type N-acetylglucosamine kinase family. NAGK converts endogenous N-acetylglucosamine (GlcNAc), a key component of complex carbohydrates, from lysosomal degradation or alimentary sources into GlcNAc 6-phosphate. NAGK is a prominent salvage enzyme of amino sugar metabolism in mammals. NAGK cooperates with STK16 and LNX1 and has ManNAc kinase activity.

Product Info

Amount :	20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	The NAGK solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 2mM DTT and 20% 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. 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 SSGLVPRGSH MGSMAAIYGG VEGGGTRSEV LLVSEDGKIL AEADGLSTNH WLIGTDKCVE RINEMVNRAK RKAGVDPLVP LRSLGLSLSG GDQEDAGRIL IEELRDRFPY LSESYLITTD AAGSIATATP DGGVVLISGT GSNCRLINPD GSESGCGGWG HMMGDEGSAY WIAHQAVKIV FDSIDNLEAA PHDIGYVKQA MFHYFQVPDR LGILTHLYRD FDKCRFAGFC RKIAEGAQQG DPLSRYIFRK AGEMLGRHIV AVLPEIDPVL FQGKIGLPIL CVGSVWKSWE LLKEGFLLAL TQGREIQAQN FFSSFTLMKL RHSSALGGAS LGARHIGHLL PMDYSANAIA FYSYTFS

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