ANGIO-PROTEOMIE
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DATA SHEET

# N-Acetylglucosamine Kinase Human Recombinant

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| **Item Number** | rAP-1673 |
| **Synonyms** | N-acetylglucosamine kinase, GNK, GlcNAc kinase, N-acetyl-D-glucosamine kinase, HSA242910, EC 2.7.1.59. |
| **Description** | 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. |
| **Uniprot Accesion Number** | Q9UJ70 |
| **Amino Acid Sequence** | 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 DPLSRY-IFRK AGEMLGRHIV AVLPEIDPVL FQGKIGLPIL CVGSVVWKSWE LLKEGFLLAL TQGREIQAQN FFSSFT-LMKL RHSSALGGAS LGARHIGHLL PMDYSANAIA FYSYTFS |
| **Source** | E.coli. |
| **Physical Appearance and Stability** | Sterile Filtered colorless solution. 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. |
| **Formulation and Purity** | The NAGK solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 2mM DTT and 20% glycerol. Greater than 95% as determined by SDS-PAGE. |
| **Application** | |
| **Solubility** | |
| **Biological Activity** | |
| **Shipping Format and Condition** | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only