

Product datasheet for TP300113L

N acetylglucosamine kinase (NAGK) (NM_017567) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human N-acetylglucosamine kinase (NAGK), 1 mg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC200113 protein sequence
Red=Cloning site **Green**=Tags(s)

MAAIYGGVEGGGTRSEVLLVSEDGKILAEADGLSTNHWLIGTDKCVERINEMVNRKRKAGVDPLVPLRS
LGLSLSGGDQEDAGRILIEELRDRFPYLSYLIITDAAGSIATATPDGGVWLISGTGSNCRLINPDGSE
SGCGGWGHMMGDEGSAYWIAHQAVKIVFDSIDNLEAAPHDIGYVKQAMFHYFQVPDRLGILTHLYRDFDK
CRFAGFCRKIAEGAQQGDPLSRYIFRKAGEMLGRHIVAVLPEIDPVLFGKIGLPILCVGSVWKSWECLK
EGFLLALTQGREIQAQNFFSSFTLMKLRHSSALGGASLGARHIGHLLPMDYSANAIAFYSTFS

TRTRPLE**QKLISEEDLAANDILDYKDDDDK**V

Tag: C-Myc/DDK

Predicted MW: 37.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_060037](#)

Locus ID: 55577



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UniProt ID: [Q9UJ70](#), [A0A384N6G7](#)

RefSeq Size: 1801

Cytogenetics: 2p13.3

RefSeq ORF: 1032

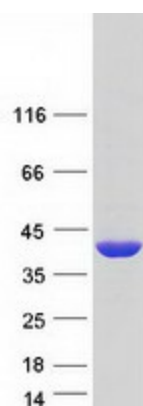
Synonyms: GNK; HSA242910

Summary: This gene encodes a member of the N-acetylhexosamine kinase family. The encoded protein catalyzes the conversion of N-acetyl-D-glucosamine to N-acetyl-D-glucosamine 6-phosphate, and is the major mammalian enzyme which recovers amino sugars. [provided by RefSeq, Nov 2011]

Protein Families: Druggable Genome

Protein Pathways: Amino sugar and nucleotide sugar metabolism

Product images:



Coomassie blue staining of purified NAGK protein (Cat# [TP300113]). The protein was produced from HEK293T cells transfected with NAGK cDNA clone (Cat# [RC200113]) using MegaTran 2.0 (Cat# [TT210002]).