

Product datasheet for PH300113

N acetylglucosamine kinase (NAGK) (NM_017567) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NAGK MS Standard C13 and N15-labeled recombinant protein (NP_060037)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200113
Predicted MW:	37.4 kDa
Protein Sequence:	>RC200113 protein sequence Red =Cloning site Green =Tags(s) MAAIYGGVEGGTRSEVLLVSEDKILAEADGLSTNHWLIGTDKCVNERINEMVNRKRKAGVDPLVPLRS LGLSLSGGDQEDAGRILIEELRDRFPYLSSEYLITTTAAGSIATATPDGGVVLISGTGSNCRLINPDGSE SGCGGWGHMMGDEGSAYWIAHQAVKIVFDSIDNLEAAPHDIGYVKQAMFHYFQVPDRLGILTHLYRDFDK CRFAGFCRKAIEGAQQGDPLSRYIFRKAGEMLRHIVAVLPEIDPVLFGKIGLPILCVGSVWKSHELLK EGFLLALTQGREIQAQNFSSFTLMKLRHSSALGGASLGARHIGHLLPMDYSANAIAFYSYTFS TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_060037</u>
RefSeq Size:	1801
RefSeq ORF:	1032
Synonyms:	GNK; HSA242910
Locus ID:	55577



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

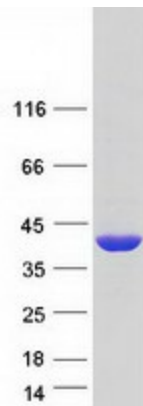
Cytogenetics: 2p13.3

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]).