

Recombinant Human NAGK Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NAGK-6146H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NAGK MS Standard C13 and N15-labeled recombinant protein (NP_060037) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	37.4 kDa
AA Sequence	MAAIYGGVEGGGTRSEVLLVSEDGKILAEADGLSTNHWLIGTDKCVERINEMVNRK RKAGVDPLVPLRSLGLSLSGGDQEDAGRILIEELRDRFPYLSESYLITDDAAGSIATAT PDGGVVLISGTGSNCRLINPDGSESGCGGWGHMMGDEGSAYWIAHQAVKIVFDSID NLEAAPHDIGYVKQAMFHYFQVPDRLGILTHLYRDFDKCRFAGFCRKIAEGAQQGD PLSRYIFRKAGEMLGRHIVAVLPEIDPVLFQKGIGLPILCVGSVWKSWEWLLKEGFLAL TQGREIQAQNFSSFTLMKLRHSSALGGASLGARHIGHLPMDYSANAI AFYSYTF S TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

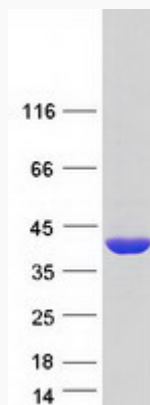
GENE INFORMATION

Gene Name	NAGK N-acetylglucosamine kinase [Homo sapiens (human)]
Official Symbol	NAGK
Synonyms	NAGK; N-acetylglucosamine kinase; N-acetyl-D-glucosamine kinase; GNK; glcNAc kinase; HSA242910;
Gene ID	55577
mRNA Refseq	NM_017567
Protein Refseq	NP_060037
MIM	606828
UniProt ID	Q9UJ70

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SDS-PAGE

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