

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

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

## SPECIFICATION

<b>Product Overview</b>	NAGK MS Standard C13 and N15-labeled recombinant protein (NP_060037) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	37.4 kDa
<b>AA Sequence</b>	MAAIYGGVEGGGTRSEVLLVSEDGKILAEADGLSTNHWLIGTDKCVERINEMVNRAK RKAGVDPLVPLRSLGLSLSGGDQEDAGRILIEELRDRFPYLSESYLITDDAAGSIATAT PDGGVVLISGTGNSNCRINPDGSESGCGGWGHMMGDEGSAYWIAHQAVKIVFDSID NLEAAPHDIGYVKQAMFHYFQVPDRLGILTHLYRDFDKCRFAGFCR KIAEGAQQGD PLSRYIFRKAGEMLGRHIVAVLPEIDPVLFQGKIGLPILCVGSVWKS WELLKEGFLAL TQGREIQAQNFSSFTLMKLRHSSALGGASLGARHIGHLLPMDYSANAIAFYSYTFS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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

## GENE INFORMATION

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

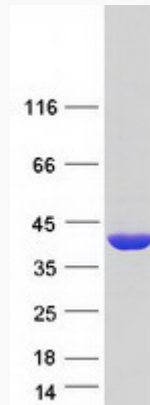
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SDS-PAGE



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