

## Recombinant Human NAGK protein, GST-tagged

Cat. No. NAGK-2959H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NAGK protein(1-344 aa), fused with N-terminal GST tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-344 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
<b>AASequence</b>	MAAIYGGVEGGGTRSEVLLVSEDGKILAEADGLSTNHWLIGTDKCVERINEMVNRK RKAGVDPLVPLRSLGLSLSGGDQEDAGRILIEELRDRFPYLSESYLITDDAAGSIATAT PDGGVVLISGTGSNCRLINPDGSESGCGGWGHMMGDEGSAYWIAHQAVKIVFDSID NLEAAPHDIGYVKQAMFHYFQVPDRLGILTHLYRDFDKCRFAGFCRKIAEGAQQGD PLSRYIFRKAGEMLGRHIVAVLPEIDPVLVFGQKIGLPILCVGSVWKS WELLKEGFLAL TQGREIQAQNFSSFTLMKLRHSSALGGASLGARHIGHLLPMDYSANAIAFYSYTFS
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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**Reconstitution**

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

**GENE INFORMATION**

**Gene Name** NAGK N-acetylglucosamine kinase [ Homo sapiens ]

**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

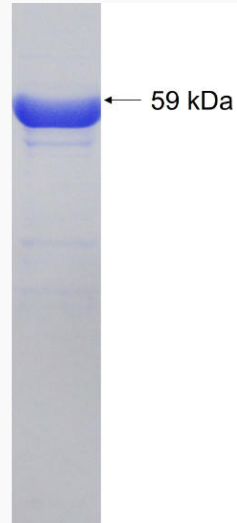
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SDS-PAGE



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