

Recombinant Human NAGK protein, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human NAGK protein(1-344 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-344 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
AASequence	MAAIYGGVEGGGTRSEVLLVSEDGKILAEADGLSTNHWLIGTDKCVERINEMVNRAK RKAGVDPLVPLRSLGLSLSGGDQEDAGRILIEELRDRFPYLSSEYLITDDAAGSIATAT PDGGVVLISGTGSNCRLINPDGSESGCGGWGHMMGDEGSAYWIAHQAVKIVFDSID NLEAAPHDIGYVKQAMFHYFQVPDRLGILTHLYRDFDKCRFAGFCRKIAEGAQQGD PLSRYIFRKAGEMLGRHIVAVLPEIDPVLFQKGIGLPILCVGSVWKSWEELLKEGFLAL TQGREIQAQNFFSSFTLMKLRHSSALGGASLGARHIGHLLPMDYSANAIAFYSYTFS
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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

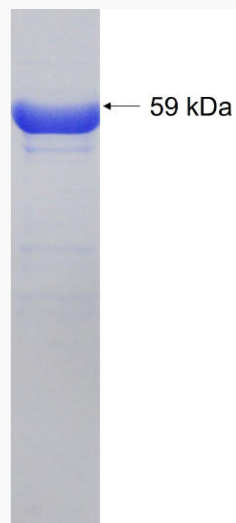
MIM 606828

UniProt ID Q9UJ70

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SDS-PAGE

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