Recombinant Human NAGK protein, T7-tagged

Cat. No. NAGK-146H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NAGK (19 - 419aa) fused with T7 Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	19-419 a.a.
Form	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGEFMRTRTGSQLAAREVTGSGAVPRQLEGRRCQAGRDANGG TSSDGSSSMAAIYGGVEGGGTR SEVLLVSEDGKILAEADGLSTNHWLIGTDKCVERI NEMVNRAKRKAGVDPLVPLRSLGLSLSGGDQEDAGRILIE ELRDRFPYLSESYLITT DAAGSIATATPDGGVVLISGTGSNCRLINPDGSESGCGGWGHMMGDEGSAYWIAH QAV KIVFDSIDNLEAAPHDIGYVKQAMFHYFQVPDRLGILTHLYRDFDKCRFAGFCR KIAEGAQQGDPLSRYIFRKAG EMLGRHIVAVLPEIDPVLFQGKIGLPILCVGSVWKS WELLKEGFLLALTQGREIQAQNFFSSFTLMKLRHSSALG GASLGARHIGHLLPMDYS ANAIAFYSYTFS
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro NAGK mediated protein glycosylation modification study with this protein.2. As soluble / native protein, may be used as enzymatic substrate

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	protein for kinase and ubiquitin assay development.3. May be used for mapping NAGK protein-protein interaction.4. May be used as antigen for specific antibody development.
Storage	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

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
Chromosome Location	2p24.3-p24.1
Pathway	Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem; N-acetylglucosamine

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	degradation II, organism-specific biosystem;
Function	ATP binding; N-acetylglucosamine kinase activity; N-acylmannosamine kinase activity; kinase activity; nucleotide binding; protein binding; transferase activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA