

## Recombinant E. coli NAGK Protein

Catalog #	Source	Reactivity	Applications
CRP1987	E. coli	E. coli	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant E. coli NAGK Protein is produced by our E. coli expression system and the target gene encoding Met1-Asp303 is expressed with a 6His tag at the C-terminus.		
<b>Form</b>	Supplied as a 0.2 $\mu$ M filtered solution of 20mM Tris-HCl, 100mM NaCl, 2mM DTT, 20% Glycerol, pH 8.0.		
<b>Gene Symbol</b>	NAGK		
<b>Alternative Names</b>	ycfX; N-acetyl-D-glucosamine kinase; GlcNAc kinase		
<b>Entrez Gene</b>	945664 (E. coli)		
<b>SwissProt</b>	P75959 (E. coli)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	<p>MNHKVVHHHH HMYYGFDIGG TKIALGVFDS GRQLQWEKRV PTPRDSYDAF LDAVCELVAE            ADQRFGCKGS VGIGIPGMPE TEDGTYAAN VPAASGKPLR ADLSARLDRD VRLDNDANCF            ALSEAWDDEF TQYPLVMGLI LGTGVGGGLI FNGKPIGKS YITGEFGHMR LPVDALTM MG            LDFPLRRCGC GQHGCNIENYL SGRGFAWLYQ HYYHQPLQAP EIIALYDQGD EQARAHVERY            LDLLAVCLGN ILTIVDPDLV VIGGGLSNFP AITTQLADRL PRHLLPVARV PRIERARHGD            AGGMRGAAFL HLTD</p>		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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