

Product Data Sheet

Recombinant E. coli NAGK Protein

Catalog #	Source	Reactivity	Applications
CRP1987	E. coli	E. coli	E, WB, SDS-PAGE, MS
Description	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.		
Form	Supplied as a 0.2 µM filtered solution of 20mM Tris-HCl, 100mM NaCl, 2mM DTT, 20% Glycerol, pH 8.0.		
Gene Symbol	NAGK		
Alternative Names	ycfX; N-acetyl-D-glucosamine kinase; GlcNAc kinase		
Entrez Gene	945664 (E. coli)		
SwissProt	P75959 (E. coli)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MNHKVHHHHH HMYYGFDIGG TKIALGVFDS GRQLQWEKRV PTPRDSYDAF LDAVCELVAE ADQRFGCKGS VGIGIPGMPE TEDGTLYAAN VPAASGKPLR ADLSARLDRD VRLDNDANCF ALSEAWDDEF TQYPLVMGLI LGTGVGGGLI FNGKPITGKS YITGEFGHMR LPVDALTM MG LDFPLRRCGC GQHGCIENYL SGRGFAWLYQ HYYHQPLQAP EIIALYDQGD EQARAHVERY LDLLAVCLGN ILTIVDPDLV VIGGGLSNFP AITTQLADRL PRHLLPVARV PRIERARHGD AGGMRGAAFL HLTD		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/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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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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