

N-acetyl-D-glucosamine kinase Recombinant Protein | NAGK recombinant protein

Recombinant Human N-acetyl-D-glucosamine kinase

CATALOG # AAA117077	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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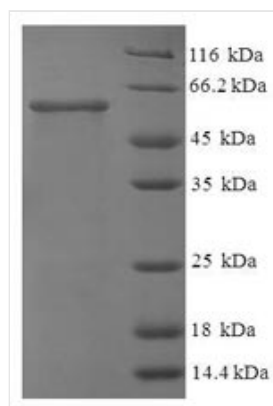
PRODUCT SYNONYMS

N-acetyl-D-glucosamine kinase; Recombinant Human N-acetyl-D-glucosamine kinase; GlcNAc kinase; NAGK recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-344aa; Full Length
Sequence	AAIYGGVEGG GTRSEVLLVS EDGKILAEAD GLSTNHWLIG TDKCVERINE MVNRAKRKAG VDPLVPLRSL GLSLSGGDQE DAGRILIEEL RDRFPYLSSES YLITTDAGS IATATPDGGV VLISGTGSNC RLINPDGSES GCGGWGHMMG DEGSAYWIAH QAVKIVFDSI DNLEAAPHDI GYVKQAMFHY FQVPDRLGIL THLYRDFDKC RFAGFCRKIA EGAQQGDPLS RYIFRKAGEM LGRHIVAVLP EIDPVLFGQK IGLPILCVGS VWKSWELLKE GFLALTQGR EIQAQNFSS FTLMKLRHSS ALGGASLGAR HIGHLLPMDY SANIAFYYSY TFS
Sequence Length	344
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NAGK recombinant protein	Converts endogenous N-acetylglucosamine (GlcNAc), a major component of complex carbohydrates, from lysosomal degradation or nutritional sources into GlcNAc 6-phosphate. Involved in the N-glycolylneuraminic acid (Neu5Gc) degradation pathway: although human is not able to catalyze formation of Neu5Gc due to the inactive CMAHP enzyme, Neu5Gc is present in food and must be degraded. Also has ManNAc kinase activity.
Product Categories/Family for NAGK recombinant protein	Signal Transduction

References	Molecular cloning and characterization of murine and human N-acetylglucosamine kinase.Hinderlich S., Berger M., Schwarzkopf M., Effertz K., Reutter W.Eur. J. Biochem. 267:3301-3308(2000)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	295844834
NCBI GeneID	55577
NCBI Accession #	NP_060037.3
NCBI GenBank Nucleotide #	NM_017567.4
UniProt Accession #	Q9UJ70; Q53HD5; Q6IA84; Q9BS29; Q9BVP0; Q9NV37; B4DLZ5
Molecular Weight	53.2 kDa
NCBI Official Full Name	N-acetyl-D-glucosamine kinase
NCBI Official Synonym Full Names	N-acetylglucosamine kinase
NCBI Official Symbol	NAGK
NCBI Official Synonym Symbols	GNK; HSA242910
NCBI Protein Information	N-acetyl-D-glucosamine kinase
UniProt Protein Name	N-acetyl-D-glucosamine kinase
UniProt Gene Name	NAGK
UniProt Synonym Gene Names	N-acetylglucosamine kinase
UniProt Entry Name	NAGK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://www.aaabiotech.com/nagk-recombinant-protein-e-coli/117077>