

## 32-7573: Recombinant E. coli N-Acetyl-D-Glucosamine Kinase/NAGK (C-6His)(Discontinued)

**Gene :** nagK  
**Gene ID :** 945664  
**Uniprot ID :** P75959

### Description

Source: E.coli.  
MW :34.5kD.

Recombinant E.coli N-acetyl-D-Glucosamine Kinase 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. N-Acetyl-D-Glucosamine Kinase (NAGK) belongs to the Eukaryotic-Type N-Acetylhexosamine Kinases family. NAGK is a homodimer and expressed in many tissues. NAGK is a prominent salvage enzyme of amino sugar metabolism in mammals. It is a major component of complex carbohydrates and converts GlcNAc into GlcNAc 6-phosphate from lysosomal degradation or nutritional sources. In addition, NAGK has ManNAc kinase activity.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl,2mM DTT,20% Glycerol, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MNHKVHHHHHHMYGFDIGGTKIALGVFDSGRQLQWEKRVPTPRDSYDAFLDAVCELVAEADQRFQCKGSV  
GIGIPGMPETEDGTLYAANVPAASGKPLRADLSARLDRDVRDLNDANCFALSEAWDDEFTQYPLVMGLILGTG  
VGGGLIFNGKPITGKSYITGEFGHMRLPVDALTMMLDFPLRRCGCGQHGCNIENYLSGRGFAWLYQHYYHQPL  
QAPEIIALYDQGDEQARAHVERYLDLLAVCLGNILTIVDPDLVVIGGGLSNFPAITTLADRLPRHLLPVARVPRIE  
RARHGDAGGMRGA AFLHLTD

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.