

## Product datasheet for **TP505154**

### **Nagk (NM\_001164187) Mouse Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse N-acetylglucosamine kinase (Nagk), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205154 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAALYGGVEGGGTRSKVLLLEDGQILAEADGLSTNHWLIGTDQCVERINEMVDRAKQKAGVDPLVPLRS LGLSLSGGEQEDAVRLLEELRHRFPNLSENYLITDDAAGSIATATPDGGIVLISGTGSNCRLINPDGSE SGCGGWGHMMGDEGSAYWIAHQAVKIVFDSIDNLEAAPHDIGHVKQAMFDYFQVPDRLGILTHLYRDFDK CKFAGFCQKIAEGAHQGDPLSRYIFRKAGEMLGRHVAVLPEIDPVLFQGELGLPILCVGSVWKSHELLK EGFLLALTLGREQQAQNSFSSFTLMKLRHSSALGGASLGARHIGYHLPMDYSINAI AFYSYTF</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK
Predicted MW:	37.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_001157659</a></u>
Locus ID:	56174
UniProt ID:	<u><a href="#">Q9QZ08</a></u>



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RefSeq Size: 1321

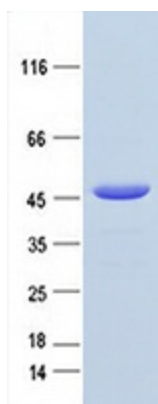
Cytogenetics: 6 C3

RefSeq ORF: 1032

Synonyms: Gnk

**Summary:** 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. Also has ManNAc kinase activity.[UniProtKB/Swiss-Prot Function]

### Product images:



Purified recombinant protein Nagk was analyzed by SDS-PAGE gel and Coomassie Blue Staining.