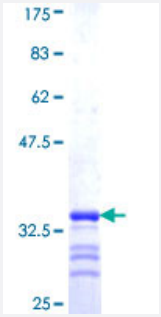
NAGK (Human) Recombinant Protein (Q01)

Catalog # H00055577-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NAGK partial ORF (NP_060037, 1 a.a. - 69 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAAIYGGVEGGGTRSEVLLVSEDGKILAEADGLSTNHWLIGTDKCVERINEMVNRAKRKAGVDPLVPLR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	33.33
Interspecies Antigen Sequence	Mouse (90); Rat (90)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NAGK

Entrez GeneID	55577
GeneBank Accession#	NM_017567
Protein Accession#	NP_060037
Gene Name	NAGK
Gene Alias	GNK, HSA242910
Gene Description	N-acetylglucosamine kinase
Omim ID	606828
Gene Ontology	Hyperlink
Gene Summary	N-acetylglucosamine kinase (NAGK; EC 2.7.1.59) converts endogenous N-acetylglucosamine (GlcNAc), a major component of complex carbohydrates, from lysosomal degradation or nutritional sources into GlcNAc 6-phosphate. NAGK belongs to the group of N-acetylhexosamine kinases and is a prominent salvage enzyme of amino sugar metabolism in mammals.[supplied by OMIM
Other Designations	N-Acetylglucosamine kinase

Pathway

- Amino sugar and nucleotide sugar metabolism