

N-acetylgalactosamine kinase/GALK2 Protein, Human (HEK293, His)

Cat. No.:	HY-P70404
Synonyms:	rHuN-acetylgalactosamine kinase/GALK2, His; N-acetylgalactosamine kinase; GalNAc kinase; Galactokinase 2; GALK2 and GK2
Species:	Human
Source:	HEK293
Accession:	Q01415 (M1-A458)
Gene ID:	2585
Molecular Weight:	Approximately 47.0 kDa

PROPERTIES

AA Sequence	<pre> M A T E S P A T R R V Q V A E H P R L L K L K E M F N S K F G S I P K F Y V R A P G R V N I I G E H I D Y C G Y S V L P M A V E Q D V L I A V E P V K T Y A L Q L A N T N P L Y P D F S T S A N N I Q I D K T K P L W H N Y F L C G L K G I Q E H F G L S N L T G M N C L V D G N I P P S S G L S S S S A L V C C A G L V T L T V L G R N L S K V E L A E I C A K S E R Y I G T E G G G M D Q S I S F L A E E G T A K L I E F S P L R A T D V K L P S G A V F V I A N S C V E M N K A A T S H F N I R V M E C R L A A K L L A K Y K S L Q W D K V L R L E E V Q A K L G I S L E E M L L V T E D A L H P E P Y N P E E I C R C L G I S L E E L R T Q I L S P N T Q D V L I F K L Y Q R A K H V Y S E A A R V L Q F K K I C E E A P E N M V Q L L G E L M N Q S H M S C R D M Y E C S C P E L D Q L V D I C R K F G A Q G S R L T G A G W G G C T V S M V P A D K L P S F L A N V H K A Y Y Q R S D G S L A P E K Q S L F A T K P G G G A L V L L E A </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 25 mM Tris-HCl, 100 mM Glycine, 10% Glycerol, pH 7.3.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background

N-acetylgalactosamine kinase (GALK2) plays a dual role in enzymatic activities, acting on N-acetylgalactosamine (GalNAc) and functioning as a galactokinase in the presence of elevated galactose concentrations. This protein is implicated in a potential salvage pathway, contributing to the reutilization of free GalNAc generated from the breakdown of complex carbohydrates.

Caution: Product has not been fully validated for medical applications. For research use only.

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