

GALK2 Protein, Human, Recombinant (His)

General Information

Synonyms:	GalNAc kinase;N-acetylgalactosamine kinase;Galactokinase 2;GALK2 and GK2
Protein Construction:	Met1-Ala458
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q01415
Molecular Weight:	47 KDa (reducing condition)
AA Sequence:	Met1-Ala458

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 25 mM Tris-HCl, 100 mM glycine, 10% glycerol, pH 7.3.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

GALK2 acts as a galactokinase when galactose is present at high concentrations. GALK2 may be involved in a salvage pathway for the reutilization of free GalNAc derived from the degradation of complex carbohydrates. GALK2 has been reported to participate in pathways, such as Amino sugar and nucleotide sugar metabolism, Galactose metabolism and Metabolic pathways.

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