

Recombinant Human GALK2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GALK2-5181H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GALK2 MS Standard C13 and N15-labeled recombinant protein (NP_001001556) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a highly efficient N-acetylgalactosamine (GalNAc) kinase, which has galactokinase activity when galactose is present at high concentrations. The encoded protein is a member of the GHMP kinase family. Alternative splicing results in multiple transcript variants.
Molecular Mass	49.1 kDa
AA Sequence	MPVLYDRLLKLKEMFNSKFGSIPKFYVRAPGRVNIIGEHDYCGYSVLPMAVEQDVLI AVEPVKTYALQLANTNPLYPDFSTSANNIQIDKTKPLWHNYFLCGLKGIQEHFGLSNL TGMNCLVDGNIPPSSGLSSSSALVCCAGLVTLTVLGRNLSKVELAEICAKSERYIGTE GGGMDQSSISFLAEEGTAKLIEFSPLRATDVKLPSGAVFVIANSCVEMNKAATSHFNIR VMECRLAAKLLAKYKSLQWDKVLRLLEEVQAKLGISLEEMLLVTEDALHPEPYNPEEIC RCLGISLEELRTQILSPNTQDVLIFKLYQRAKHVYSEAAARVLQFKKICEEAPENMVQLL GELMNQSHMSCRDMYECSCPELDQLVDICRKFGAQGSRLTGAGWGGCTVSMVPA DKLPSFLANVHKAYYQRS DGS LAPEKQSLFATKPGGGALVLL EATRTRPLEQKLISE EDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

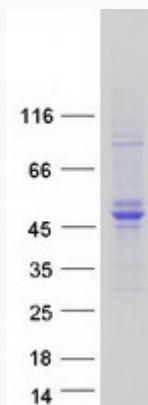
GENE INFORMATION

Gene Name	GALK2 galactokinase 2 [Homo sapiens (human)]
Official Symbol	GALK2
Synonyms	GALK2; galactokinase 2; N-acetylgalactosamine kinase; GK2; galNAc kinase; MGC1745;
Gene ID	2585
mRNA Refseq	NM_001001556
Protein Refseq	NP_001001556
MIM	137028
UniProt ID	Q01415

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SDS-PAGE

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