

Recombinant Human GALK1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GALK1-6423H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GALK1 MS Standard C13 and N15-labeled recombinant protein (NP_000145) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Galactokinase is a major enzyme for the metabolism of galactose and its deficiency causes congenital cataracts during infancy and presenile cataracts in the adult population.
Molecular Mass	42.3 kDa
AA Sequence	MAALRQPQVAELLAEARRAFREEFGAEPELAVSAPGRVNLIGEHTDYNQGLVLPMA LELMTVLVGSPRKDGLVSLTTSEGADEPQRLQFPLPTAQRSLEPGTPRWANYVKG VIQYYPAAPLPGFSAVVVSSVPLGGGLSSSASLEVATYTFLLQQLCPDSGTIAARAQV CQQAESFAGMPCGIMDQFISLMGQKGHALLIDCRSLETSLVPLSDPKLAVLITNSNV RHSLASSEYPVRRRQCEEVARALGKESLREVQLEELEAARDLVSKEGFRRARHVG EIRRTAQAAAALRRGDYRAFGRLMVESHRSRDDYEVSCPELDQLVEAALAVPGVY GSRMTGGGFGGCTVTLLLEASAAPHAMRHIQEHYGGTATFYLSQAADGAKVLCLTRT RPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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.

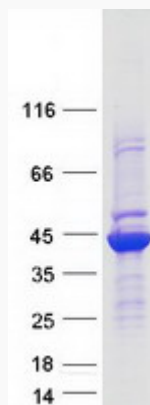
GENE INFORMATION

Gene Name	GALK1 galactokinase 1 [Homo sapiens (human)]
Official Symbol	GALK1
Synonyms	GALK1; galactokinase 1; GALK; galactokinase; galactose kinase; GK1;
Gene ID	2584
mRNA Refseq	NM_000154
Protein Refseq	NP_000145
MIM	604313
UniProt ID	P51570

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SDS-PAGE

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