

Product datasheet for **TP300476L**

GALK1 (NM_000154) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human galactokinase 1 (GALK1), 1 mg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC200476 protein sequence
Red=Cloning site **Green**=Tags(s)

MAALRQPQVAELLAEARRAFREFGAEP ELAVSAPGRVNLIGEHTDYNQGLVLPMALELMTVLVGS PRKD
GLVSLTTSEGADEPQRLQFPLPTAQRSLEPGTPRWANYVKGVIQYYPAAPLPGFSAVVSSVPLGGGLS
SSASLEVATYTFLLQQLCPDSGTIAARAQVCQQAHSFAGMPCGIMDQFISLMGQKGHALLIDCRSLETSL
VPLSDPKLAVLITNSNVRHSLASSEYPVRRRQCEEVARALGKESLREVQLEELEAARDLVSKEGFRRARH
VVG EIRRTAQAAAALRRGDYRAFGRMLVESHRSRDDYEVSCPELDQLVEAALAVPGVYGS RMTGGGFGG
CTVTLL EASAAPHAMRHIQEHYGGTATFYLSQAADGAKVLCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 42.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_000145](#)

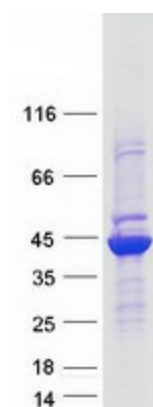
Locus ID: 2584



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UniProt ID:	P51570 , V9HWE7
RefSeq Size:	1361
Cytogenetics:	17q25.1
RefSeq ORF:	1176
Synonyms:	GALK; GK1; HEL-S-19
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Amino sugar and nucleotide sugar metabolism, Galactose metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified GALK1 protein (Cat# [TP300476]). The protein was produced from HEK293T cells transfected with GALK1 cDNA clone (Cat# [RC200476]) using MegaTran 2.0 (Cat# [TT210002]).