

Product datasheet for TP300476L

GALK1 (NM_000154) Human Recombinant Protein

Product data:

OriGene Technologies, Inc.

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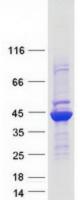
Product Type:Recombinant ProteinsDescription:Recombinant protein of human galactokinase 1 (GALK1), 1 mgSpecies:HumanExpression Host:HEK293TExpression cDNA Clone>Rcd=Cloning site Green=Tags(s)or AA Sequence:Red=Cloning site Green=Tags(s)MAALRQPQVAELLAEARRAFREEFGAEPELAVSAPGRVNLIGEHTDYNQGLVLPMALELMTVLVGSPRKD GLVSLITTSEGADEPQRLQFPLPTAQRSLEPGTPRWANYVKGVQYYPAAPLPGFSAVVVSSVPLGGGLS SSASLEVATYTFLQQLCPDSGTIAARAQVCQQAEHSFAGMPCGIMDQFISLMGQKGHALLIDCRSLETSL VPLSDPKLAVLITNSNVRHSLASSEYPVRRRQCEEVARAGKSLREVQLEELEAARDLVSKEGRRARH VGEIRTAQAAAALRRGDYRAFGRLMVESHRSLRDDYEVSCPELDQLVEAALAVPGVYGSRMTGGGFGG CTVTLEASAAPHAMRHQEHYGGTATFYLSQAADGAKVLCLTag:C.Myc/DDKPredicted MW:2.1 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:S 5mM Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:S tore at .80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handing conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 000145Locus ID:2584		
Species:HumanExpression Host:HEK293TExpression cDNA CloneRc200476 protein sequenceor AA Sequence:Rc200476 protein sequenceBudderRc200476 protein sequenceRed=Cloning site Green=Tags(s)MAALRQPQVAELLAEARRAFREEFGAEPELAVSAPGRVNLIGEHTDYNQGLVLPMALELMTVLVGSPRKDGLVSLLTTSEGADEPQRLQPPLPTAQRSLEPGTPRWANYVKGVIQYYPAAPLPGFSAVVSSVPLGGGLSSSASLEVATYTFLQQLCPDSGTIAARAQVCQQAEHSFAGMPCGIMDQFISLMGQKGHALLIDCRSLETSLVVGEIRRTAQAAAALRRGDYRAFGRLWVESHRSLRDDYEVSCPELQULVEAALAVPGVGSRMTGGGFGGTag:CMy/DDKTag:C-My/DDKPredicted MW:42.1 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolPreparation:For testing in cell culture applications, please filter before use. Note that you may experience sone loss of protein during the filtration process.Storage:Stable for 12 months from the date of receipt of the product under proper storage and handing conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP_000145	Product Type:	Recombinant Proteins
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	Stability:	
Locus ID: 2584	RefSeq:	<u>NP 000145</u>
	Locus ID:	2584



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	GALK1 (NM_000154) Human Recombinant Protein – TP300476L
UniProt ID:	<u>P51570, V9HWE7</u>
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 Pathway	/s: 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]).

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