

**Specifications:**

Gene:	hGALK1
Accession:	NP_000145.1
Insert size:	1192bp
Concentration:	10µg at 0.2µg/µL

**hGALK1 cDNA  
Plasmid**

**GALK1 galactokinase 1 [ *Homo sapiens* (human) ]**

**Also known as:** GK1; GALK; HEL-S-19

**Summary:**

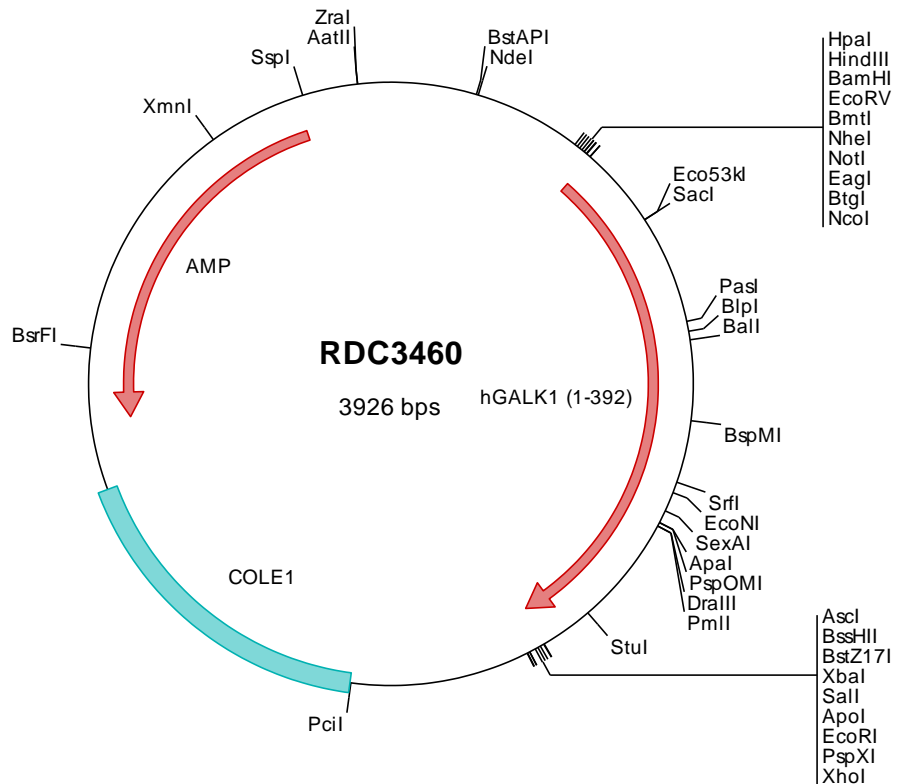
Galactokinase is a major enzyme for the metabolism of galactose. Its deficiency causes congenital cataracts during infancy and presenile cataracts in the adult population.

**Description**

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

**Preparation and Storage**

**Formulation** cDNA is provided in 10 mM Tris-Cl, pH 8.5  
**Shipping** Ships at ambient temperature  
**Stability** 1 year from date of receipt when stored at -20°C to -80°C  
**Storage** Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC3460 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccggggagca gacaagcccg
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201 ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgcatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcctat
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> RDC3460 Translated Insert Sequence

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1 maalrqpqva ellaearraf reefgaepel avsapgrvnl igehtdynqg lvlpmalelm tvlvgsprkd glvslttse gadepqrlqf plptaqrsl
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201 idcrslets1 vplsdpklav litnsnrhs lasseyprvr rqcevaral gkeslrevql eeleaardlv skegfrarh vvgeirrtaq aaaaalrgdy
301 rafgrlmves hrslrddyev scpeldqlve aalavpvyg srmtgggfyg ctvllleasa aphamrhqe hyggatfyl sqaadgakvl cl

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