

Datasheet for ABIN7195881

**GALK1 Protein (GST tag,His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	GALK1
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GALK1 protein is labelled with GST tag,His tag.

## Product Details

Purpose:	Recombinant Human GALK1/Galactokinase Protein (His & GST Tag)
Sequence:	Met 1-Leu 392
Characteristics:	A DNA sequence encoding the human GALK1 (P51570) (Met 1-Leu 392) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	GALK1
Alternative Name:	GALK1/Galactokinase ( <a href="#">GALK1 Products</a> )
Background:	Background: Galactokinase; also known as Galactose kinase; GALK and GALK1; is a protein which belongs to the GHMP kinase family and Galk subfamily. Galactokinase / GALK1 is a major enzyme for galactose metabolism. Galactokinase (GALK) deficiency is an autosomal

## Target Details

recessive disorder characterized by elevation of blood galactose concentration and diminished galactose-1-phosphate; leading to the production of galactitol. Defects in GALK1 are the cause of galactosemia II ( GALCT2 ) which II is an autosomal recessive deficiency characterized by congenital cataracts during infancy and presenile cataracts in the adult population. The cataracts are secondary to accumulation of galactitol in the lenses.

Synonym: Galactokinase; Galactose Kinase; GALK1; GALK

Molecular Weight: 70 kDa

UniProt: [P51570](#)

## Application Details

Restrictions: For Research Use only

## Handling

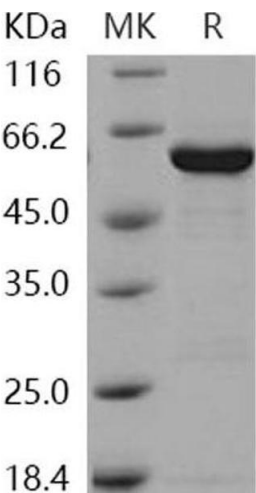
Format: Frozen, Liquid

Buffer: Supplied as sterile 20 mM Tris, 500 mM NaCl, 2 mM GSH, pH 8.0

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

## Images



### Western Blotting

Image 1.