

## Recombinant Human GALK1, His-tagged

Cat. No. GALK1-28117TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length protein (Human). This protein has an N-terminal His Tag.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Conjugation</b>	HIS
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: 0.002% Sodium Azide Constituents: 3mM Sodium chloride, 10mM Tris, 2.5mM Imidazole, pH 8.
<b>Storage</b>	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequence Similarities</b>	Belongs to the GHMP kinase family. GalK subfamily.
<b>Full Length</b>	Full L.

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## GENE INFORMATION

**Gene Name** GALK1 galactokinase 1 [ Homo sapiens ]

**Official Symbol** GALK1

**Synonyms** GALK1; galactokinase 1; GALK; galactokinase;

**Gene ID** 2584

**mRNA Refseq** NM\_000154

**Protein Refseq** NP\_000145

**MIM** 604313

**Uniprot ID** P51570

**Chromosome Location** 17q23-q25

**Pathway** Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem; Galactose catabolism, organism-specific biosystem; Galactose metabolism, organism-specific biosystem; Galactose metabolism, conserved biosystem;

**Function** ATP binding; galactokinase activity; galactose binding; kinase activity; nucleotide binding;

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