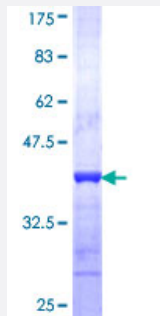


GALK1 (Human) Recombinant Protein (Q01)

Catalog # H00002584-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GALK1 partial ORF (NP_000145, 181 a.a. - 279 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PCGIMDQFISLMGQKGHALLIDCRSLETSLVPLSDPKLAVLITNSNVRHSLASSEYPVRRRQCEEV ARALGKESLREVQLEEELEAARDLVSKEGFRRAR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (89); Rat (88)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GALK1

Entrez GeneID	2584
GeneBank Accession#	NM_000154
Protein Accession#	NP_000145
Gene Name	GALK1
Gene Alias	GALK, GK1
Gene Description	galactokinase 1
Omim ID	230200 604313
Gene Ontology	Hyperlink
Gene 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]
Other Designations	-

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Galactose metabolism](#)
- [Metabolic pathways](#)

Disease

- [Cardiovascular Diseases](#)
- [Cataract](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Galactosemias](#)
- [Genetic Predisposition to Disease](#)