

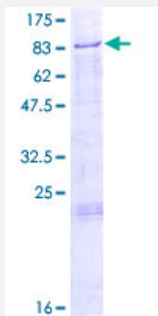
Full-Length

GLCE (Human) Recombinant Protein (P01)

Catalog # H00026035-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GLCE full-length ORF (NP_056369.1, 1 a.a. - 617 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRCLAARVNYKTLIIICALFTLVTVLLWNKCSSDKAIQFPRRSSSGFRVDGFEEKRAAASESNNYMN
HVAKQQSEEAFFPQEQKAPPVVGGFNSNVGSKVLGLKYEEIDCLINDEHTIKGRREGNEVFLPFT
WVEKYFDVYGKVVQYDGYDRFEFSHSYSKVYAQRAPYHPDGVFMSFEGYNVEVRDRVKCISGV
EGVPLSTQWGPQGYFYPIQIAQYGLSHYSKNLTEKPPHIEVYETAEDRDKNKPNDWTVPKGCFMA
NVADKSRFTNVKQFIAPETSEGVSLQLGNTKDFIISFDLKFLTNGSVSVVLETTEKNQLFTIHVYVNSA
QLIAFKERDIYIGIPRTSWSTVTRDLVTDLRKGVGLSNTKAVKPTKIMPKKVRLIAKGKGLDNITI
STTAHMAAFFAASDWLVNRNQDEKGGWPIMVTRKLGEFGKSLEPGWYSAMAQGQAISTLVRAYLL
TKDHIFLNSALRATAPYKFLSEQHGVKAVFMNKHWDYEEYPTTPSSFLNGFMYSLIGLYDLKETA
GEKLGKEARSLYERGMESEKAMLPDYDTGSGTYDLRHFMLGIAPNLARWDYHTTHINQLQLLSTID
ESPVFKEFVKRWKSYLKGSRAKHN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

96.5

Interspecies Antigen Sequence

Mouse (95); Rat (95)

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 — GLCE

Entrez GeneID	26035
GeneBank Accession#	NM_015554.1
Protein Accession#	NP_056369.1
Gene Name	GLCE
Gene Alias	HSEPI, KIAA0836
Gene Description	glucuronic acid epimerase
Gene Ontology	Hyperlink
Gene Summary	Heparan sulfate (HS) is a negatively charged cell surface polysaccharide required for the biologic activities of circulating extracellular ligands. GLCE is responsible for epimerization of D-glucuronic acid (GlcA) to L-iduronic acid (IdoA) of HS, which endows the nascent polysaccharide chain with the ability to bind growth factors and cytokines (Ghiselli and Agrawal, 2005 [PubMed 15853773]).[supplied by OMIM]
Other Designations	D-glucuronyl C5-epimerase UDP-glucuronic acid epimerase glucuronyl C5-epimerase heparan sulfate epimerase heparin/heparan sulfate-glucuronic acid C5-epimerase

Pathway

- [Heparan sulfate biosynthesis](#)
- [Metabolic pathways](#)

Disease

- [Tobacco Use Disorder](#)