

Recombinant Full Length Human GLCE Protein, GST-tagged

Cat. No. GLCE-5286HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GLCE full-length ORF (NP_056369.1, 1 a.a. - 617 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	617 amino acids
Description	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
Molecular Mass	96.5 kDa
AA Sequence	MRCLAARVNYKTLIIICALFTLVTVLLWNKCSSDKAIQFPRRSSSGFRVDGFEKRAAA SESNNYMNHVAKQQSEEAFFPQEQQKAPPVVGGFNSNVGSKVLGLKYEEDCLINDE HTIKGRREGNEVFLPFTWVEKYFDVYGKVVQYDGYDRFEFSHSYSKVYAQRAPYHP DGVFMSFEGYNVEVRDRVKCISGVEGVPLSTQWGPQGYFYPIQIAQYGLSHYSKNL TEKPPHIEVYETAEDRDKNKPNDWTVPKGCFMANVADKSRFTNVKQFIAPETSEGV SLQLGNTKDFIISFDLKFLTNGSVSVVLETTEKNQLFTIHVVSNAQLIAFKERDIYYGIG PRTSWSTVTRDLVTDLRKGVGLSNTKAVKPTKIMPKKVRLIAKKGKGLDNITISTTA HMAAFFAASDWLVRNQDEKGGWPIMVTRKLGEFGKSLEPGWYSAMAQGQAISTLV

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RAYLLTKDHIFLNSALRATAPYKFLSEQHGVKAVFMNKHWDWYEEYPTTPSSFVLNGF
 MYSLIGLYDLKETAGEKLGKEARSLYERGMESLKAMLPLYDTGSGTIYDLRHFMLGIA
 PNLARWDYHTTHINQLQLLSTIDESPVFKEFVKRWKSYLKGSRAKHN

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

[GLCE glucuronic acid epimerase \[Homo sapiens \]](#)

Official Symbol

[GLCE](#)

Synonyms

GLCE; glucuronic acid epimerase; D glucuronyl C5 epimerase, UDP glucuronic acid epimerase; D-glucuronyl C5-epimerase; heparan sulfate epimerase; HSEPI; KIAA0836; glucuronyl C5-epimerase; UDP-glucuronic acid epimerase; heparin/heparan sulfate-glucuronic acid C5-epimerase; heparin/heparan sulfate:glucuronic acid C5-epimerase;

Gene ID

[26035](#)

mRNA Refseq

[NM_015554](#)

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Protein Refseq	NP_056369
MIM	612134
UniProt ID	O94923

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