

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	MRCLAARVNYKTLIIICALFTLVTVLLWNKCSSDKAIQFPRRSSSGFRVDGF EKRAAA SESNNYMNHVAKQQSEEAFFPQEQQKAPPVVGGFNSNVGSKVLGLKYEIDCLINDE HTIKGRREGNEVFLPFTWVEKYFDVYGKVVQYDGYDRFEFESHYSKVYAQRAPYHP DGVFMSFEGYNVEVRDRVKCISGVEGVPLSTQWGPQGYFYPIQIAQYGLSHYSKNL TEKPPHIEVYETAEDRDKNKPNDWTVPKGCFMANVADKSRFTNVKQFIAPETSEGV SLQLGNTKDFIISFDLKF LTNGSVSVVLETTEKNQLFTIHVVSNAQLIAFKERDIYYGIG PRTSWSTVTRDLVTDLRKGVGLSNTKAVKPTKIMPKKVVRLIAKKGKGLDNITISTTA HMAAFFAASDWLVRNQDEKGGWPIMVTRKLGEGFKSLEPGWYSAMAQQQAISTLV

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RAYLLTKDHIFLNSALRATAPYKFLSEQHGKAVFMNKHDWYEEYPTTPSSFVLNGF
 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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