

Recombinant Human GLCE cell lysate

Cat. No. GLCE-709HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
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]).
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

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;

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	heparin/heparan sulfate-glucuronic acid C5-epimerase; heparin/heparan sulfate:glucuronic acid C5-epimerase;
Gene ID	26035
mRNA Refseq	NM_015554
Protein Refseq	NP_056369
MIM	612134
UniProt ID	O94923
Chromosome Location	15q23
Pathway	Glycosaminoglycan biosynthesis - heparan sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - heparan sulfate, conserved biosystem; Glycosaminoglycan biosynthesis, heparan sulfate backbone, organism-specific biosystem; Glycosaminoglycan biosynthesis, heparan sulfate backbone, conserved biosystem; Metabolic pathways, organism-specific biosystem; heparan sulfate biosynthesis, organism-specific biosystem; heparan sulfate biosynthesis, conserved biosystem;
Function	UDP-glucuronate 5-epimerase activity; isomerase activity; racemase and epimerase activity, acting on carbohydrates and derivatives;