

Recombinant Human CHST4, His-tagged

Cat. No. CHST4-11230H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHST4 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-310a.a.
Description	This gene encodes an N-acetylglucosamine 6-O sulfotransferase. The encoded enzyme transfers sulfate from 3phosphoadenosine 5phospho-sulfate to the 6-hydroxyl group of N-acetylglucosamine on glycoproteins. This protein is localized to the Golgi and is involved in the modification of glycan structures on ligands of the lymphocyte homing receptor L-selectin. Alternate splicing in the 5 UTR results in multiple transcript variants that encode the same protein.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	CHST4 carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4 [Homo sapiens]
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Official Symbol	CHST4
Synonyms	CHST4; carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4; carbohydrate sulfotransferase 4; HEC GLCNAC 6 ST; LSST; GST-3; gn6st-2; glcNAc6ST-2; HEC-GlcNAc6ST; L-selectin ligand sulfotransferase; N-acetylglucosamine 6-O-sulfotransferase 2; high endothelial cells N-acetylglucosamine 6-O-sulfotransferase; galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 3; galactose/N-acetylglucosamine/N-acetylgalactosamine 6-O-sulfotransferase 3; GST3; GlcNAc6ST2; HECGLCNAC6ST;
Gene ID	10164
mRNA Refseq	NM_001166395
Protein Refseq	NP_001159867
UniProt ID	Q8NCG5
Chromosome Location	16q22.2
Pathway	Glycosaminoglycan biosynthesis - keratan sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - keratan sulfate, conserved biosystem;
Function	N-acetylglucosamine 6-O-sulfotransferase activity; sulfotransferase activity; transferase activity;