

Recombinant Human CHST13, His-tagged

Cat. No. CHST13-11226H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHST13 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-110a.a.
Description	The protein encoded by this gene belongs to the sulfotransferase 2 family. It is localized to the golgi membrane, and catalyzes the transfer of sulfate to the C4 hydroxyl of beta-1,4-linked N-acetylgalactosamine (GalNAc) flanked by glucuronic acid residue in chondroitin. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage and is distributed on the surfaces of many cells and extracellular matrices.
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	CHST13 carbohydrate (chondroitin 4) sulfotransferase 13 [Homo sapiens]
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Official Symbol	CHST13
Synonyms	CHST13; carbohydrate (chondroitin 4) sulfotransferase 13; carbohydrate sulfotransferase 13; C4ST3; C4ST-3; chondroitin 4-sulfotransferase 3; chondroitin 4-O-sulfotransferase 3; MGC119278; MGC119279; MGC119281;
Gene ID	166012
mRNA Refseq	NM_152889
Protein Refseq	NP_690849
MIM	610124
UniProt ID	Q8NET6
Chromosome Location	3q21.3
Pathway	Glycosaminoglycan biosynthesis - chondroitin sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - chondroitin sulfate, conserved biosystem; Sulfur metabolism, organism-specific biosystem; Sulfur metabolism, conserved biosystem; chondroitin sulfate biosynthesis, organism-specific biosystem; chondroitin sulfate biosynthesis, conserved biosystem; chondroitin sulfate biosynthesis (late stages), organism-specific biosystem;
Function	N-acetylgalactosamine 4-O-sulfotransferase activity; chondroitin 4-sulfotransferase activity; sulfotransferase activity; transferase activity;

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