

## 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<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 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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<b>Official Symbol</b>	CHST13
<b>Synonyms</b>	CHST13; carbohydrate (chondroitin 4) sulfotransferase 13; carbohydrate sulfotransferase 13; C4ST3; C4ST-3; chondroitin 4-sulfotransferase 3; chondroitin 4-O-sulfotransferase 3; MGC119278; MGC119279; MGC119281;
<b>Gene ID</b>	<a href="#">166012</a>
<b>mRNA Refseq</b>	<a href="#">NM_152889</a>
<b>Protein Refseq</b>	<a href="#">NP_690849</a>
<b>MIM</b>	<a href="#">610124</a>
<b>UniProt ID</b>	<a href="#">Q8NET6</a>
<b>Chromosome Location</b>	3q21.3
<b>Pathway</b>	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;
<b>Function</b>	N-acetylgalactosamine 4-O-sulfotransferase activity; chondroitin 4-sulfotransferase activity; sulfotransferase activity; transferase activity;

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