

Recombinant Human CHST11, His-tagged

Cat. No. CHST11-11224H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHST11 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	37-352a.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 position 4 of the N-acetylgalactosamine (GalNAc) residue of chondroitin. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage, and is distributed on the surfaces of many cells and extracellular matrices. A chromosomal translocation involving this gene and IgH, t(12;14)(q23;q32), has been reported in a patient with B-cell chronic lymphocytic leukemia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
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

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Gene Name	CHST11 carbohydrate (chondroitin 4) sulfotransferase 11 [Homo sapiens]
Official Symbol	CHST11
Synonyms	CHST11; carbohydrate (chondroitin 4) sulfotransferase 11; carbohydrate sulfotransferase 11; C4ST; C4St 1; C4ST1; HSA269537; C4S-1; IgH/CHST11 fusion; chondroitin 4-O-sulfotransferase 1; C4ST-1; FLJ41682; DKFZp667A035;
Gene ID	50515
mRNA Refseq	NM_001173982
Protein Refseq	NP_001167453
MIM	610128
UniProt ID	Q9NPF2
Chromosome Location	12q23.3
Pathway	Endochondral Ossification, organism-specific biosystem; 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;
Function	N-acetylgalactosamine 4-O-sulfotransferase activity; chondroitin 4-sulfotransferase activity; transferase activity;

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