

Recombinant Full Length Human CHST12 Protein, GST-tagged

Cat. No. CHST12-3251HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHST12 full-length ORF (AAH02918, 1 a.a. - 414 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	414 amino acids
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 and desulfated dermatan sulfate. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage, and is distributed on the surfaces of many cells and extracellular matrices. Alternatively spliced transcript variants differing only in their 5' UTRs have been found for this gene. [provided by RefSeq, Aug 2011]
Molecular Mass	71.28 kDa
AA Sequence	MTKARLFRLWLVLGVSVMILLIIVYWDSAGAAHFYLHTSFSRPHTGPPLPTPGPDRD RELTADSDVDEFLDKFLSAGVKQSDLPRKETEQPPAPGSMEESVRGYDWSPRDAR RSPDQGRQQAERRSVLRGFCANSSLAFPTKERAFFDDIPNSELHIVDDRHGAIYCY VPKVACTNWKRMIVLSGSLHHRGAPYRDPLRIPREHVHNASAHLTfNKFWRRYGK LSRHLMKVKLKKYTKFLFVRDPFVRLISAFRSKFELENEEFYRKFAVPMLRLYANHTS LPASAREAFRAGLKVSFANFIQYLLDPHTEKLAPFNEHWRQVYRLCHPCQIDYDFVG

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KLETLDDEDAAQLLQLLQVDRQLRFPPSYRNRTASSWEEDWFAKIPLAWRQQLYKLY
EADFVLFGYPKPENLLRD

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CHST12 carbohydrate (chondroitin 4) sulfotransferase 12 [Homo sapiens]

Official Symbol

CHST12

Synonyms

CHST12; carbohydrate (chondroitin 4) sulfotransferase 12; carbohydrate sulfotransferase 12; C4S 2; C4ST2; sulfotransferase Hlo; chondroitin 4-sulfotransferase 2; chondroitin 4-O-sulfotransferase 2; C4S-2; C4ST-2;

Gene ID

55501

mRNA Refseq

NM_001243794

Protein Refseq

NP_001230723

MIM

610129

UniProt ID

Q9NRB3

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