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	MTKARLFRLWLVLGSVFMILLIIVYWDSAGAAHFYLHTSFSRPHTGPPLPTPGPDRD RELTADSDVDEFLDKFLSAGVKQSDLPRKETEQPPAPGSMEESVRGYDWSPRDAR RSPDQGRQQAERRSVLRGFCANSSLAFPTKERAFDDIPNSELSHLIVDDRHGAIYCY VPKVACTNWKRVMIVLSGSLLHRGAPYRDPLRIPREHVHNASAHLTFNKFWRRYGK LSRHLMKVKLKKYTKFLFVRDPFVRLISAFRSKFELENEEFYRKFAVPMLRLYANHTS LPASAREAFRAGLKVSFANFIQYLLDPHTEKLAPFNEHWRQVYRLCHPCQIDYDFVG

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	KLETLDEDAAQLLQLLQVDRQLRFPPSYRNRTASSWEEDWFAKIPLAWRQQLYKLY 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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