

Recombinant Full Length Human CHST15 Protein, GST-tagged

Cat. No. CHST15-5140HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GALNAC4S-6ST full-length ORF (AAH27908, 1 a.a. - 561 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	561 amino acids
Description	Chondroitin sulfate (CS) is a glycosaminoglycan which is an important structural component of the extracellular matrix and which links to proteins to form proteoglycans. Chondroitin sulfate E (CS-E) is an isomer of chondroitin sulfate in which the C-4 and C-6 hydroxyl groups are sulfated. This gene encodes a type II transmembrane glycoprotein that acts as a sulfotransferase to transfer sulfate to the C-6 hydroxal group of chondroitin sulfate. This gene has also been identified as being co-expressed with RAG1 in B-cells and as potentially acting as a B-cell surface signaling receptor. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2012]
Molecular Mass	87.45 kDa
AA Sequence	MRHCINCCIQLLPDGAHKQQVNCQGGPHHGHQACPTCKGENKILFRVDSKQMNLL AVLEVRTEGNENWGGFLRFKKGKRCSLVFGLIIMTLVMASYILSGAHQELLISPPFHY GGFPSNP SLMDSENPSDTKEHHHQSSVNNISYMKDYP SIKLIINSITTRIEFTTRQLPD LEDLKKQELHMFVIPNKFLPNKSPCWYEEFSGQNTTDPYLTNSYVLYSKRFRSTF

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DALRKAFWGH LAHAHGKH FRLRCLPHFYIIGQPKCGTTDL YDRLRLHPEVKFSAIKE
 PHWWTRKRFGIVRLRDGLRDYRPVEDYLDLFDLAAHQIHQGLQASSAKEQSKMNTII
 IGEASASTMWDNNAWTFYDNSTDGEPPFLTQDFIHAFQPNARLIVMLRDPVERLYS
 DYLYFASSNKSADDFHEKVTEALQLFENCMLDYSLRACVYNNTLNNAMPVRLQVGL
 YAVYLLDWLSVFDKQQFLILRLEDHASNVKYTMHKVFQFLNLGPLSEKQEALMTKSP
 ASNARRPEDRNLGPMWPITQKILRDFYRPFNARLAQVLADEAFWKTT

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

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

CHST15 carbohydrate sulfotransferase 15 [Homo sapiens (human)]

Official Symbol

CHST15

Synonyms

CHST15; carbohydrate sulfotransferase 15; BRAG; GALNAC4S-6ST; carbohydrate sulfotransferase 15; B cell RAG associated protein (GALNAC4S-6ST); B-cell RAG-associated gene protein; carbohydrate (N-acetylgalactosamine 4-sulfate 6-O) sulfotransferase 15; hBRAG; EC 2.8.2.33

Gene ID

51363

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mRNA Refseq	NM_001270764
Protein Refseq	NP_001257693
MIM	608277
UniProt ID	Q7LFX5

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