

Recombinant Human CHST15 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CHST15-1878H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CHST15 MS Standard C13 and N15-labeled recombinant protein (NP_056976) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	64.9 kDa
AA Sequence	MRHCINCCIQLLPDGAHKQQVNCQGGPHHGHQACPTCKGENKILFRVDSKQMNLL AVLEVRTEGNENWGGFLRFKKGKRCSLVFGLIIMTLVMASYILSGAHQELLISPFHY GGFPSNPSLMDSENPSDTKEHHHQSSVNNISYMKDYPsikLIINSITTRIEFTTRQLPD LEDLKKQELHMFVIPNKFLPNSKSPCWYEEFSGQNTTDPYLTNSYVLYSKRFRSTF

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DALRKAFWGH LAHAHGKH FRLRCLPHFYIIGQPKCGTTDLYDRLRLHPEVKFSAIKE
 PHWWTRKRFGIVRLRDGLRDRYPVEDYLDLFDLAAHQIHQGLQASSAKEQSKMNTII
 IGEASASTMWDNNAWTFYDNSTDGEPPFLTQDFIHAFQPNARLIVMLRDPVERLYS
 DYLYFASSNKSADDFHEKVTEALQLFENCMLDYSLRACVYNNTLNNAMPVRLQVGL
 YAVYLLDWLSVFDKQQFLILRLEDHASNVKYTMHKVFQFLNLGPLSEKQEALMTKSP
 ASNARRPEDRNLGPMWPITQKILRDFYRPFNARLAQVLADEAFAWKTTTTRTRPLEQ
 KLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CHST15 carbohydrate sulfotransferase 15 [Homo sapiens (human)]

Official Symbol CHST15

Synonyms CHST15; carbohydrate (N-acetylgalactosamine 4-sulfate 6-O) sulfotransferase 15; carbohydrate sulfotransferase 15; B cell RAG associated protein; BRAG; GALNAC4S 6ST; KIAA0598; N acetylgalactosamine 4 sulfate 6 O sulfotransferase; hBRAG; B-cell RAG-associated gene protein; B cell RAG associated protein (GALNAC4S-6ST); N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase; GALNAC4S-6ST; RP11-47G11.1; MGC34346; DKFZp781H1369;

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Gene ID	51363
mRNA Refseq	NM_015892
Protein Refseq	NP_056976
MIM	608277
UniProt ID	Q7LFX5
SDS-PAGE	