

## Recombinant Human CHST15 Protein, GST-tagged

**Cat. No.** CHST15-4686H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GALNAC4S-6ST full-length ORF ( AAH27908, 1 a.a. - 561 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 1-561 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 87.45 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MRHCINCCIQLLPDGAHKQQVNCQGGPHHGHQACPTCKGENKILFRVDSKQMNLL<br>AVLEVRTEGNENWGGFLRFKKGKRCSLVFGLIIMTLVMASYILSGAHQELLISPPFHY<br>GGFPSNP SLMDSENPSDTKEHHHQSSVNNISYMKDYP SIKLIINSITTRIEFTTRQLPD<br>LEDLKKQELHMFVIPNKFLPNSKSPCWYEEFSGQNTTDPYLTNSYVLYSKRFRSTF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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DALRKAFWGH LAHAHGKH FRLRCLPHFYIIGQPKCGTTDLYDRLRLHPEVKFSAIKE  
 PHWWTRKRFGIVRLRDGLRDYRPVEDYLDLFDLAAHQIHQGLQASSAKEQSKMNTII  
 IGEASASTMWDNNAWTFYDNSTDGEPPFLTQDFIHAFQPNARLIVMLRDPVERLYS  
 DYLYFASSNKSADDFHEKVTEALQLFENCMLDYSLRACVYNNTLNNAMPVRLQVGL  
 YAVYLLDWLSVFDKQQFLILRLEDHASNVKYTMHKVFQFLNLGPLSEKQEALMTKSP  
 ASNARRPEDRNLGPMWPITQKILRDFYRPFNARLAQVLADEAFAWKTT

**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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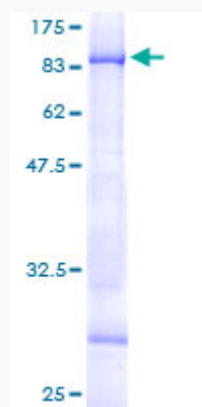
**mRNA Refseq** [NM\\_001270764](#)

**Protein Refseq** [NP\\_001257693](#)

**MIM** [608277](#)

**UniProt ID** [Q7LFX5](#)

**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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