

Recombinant Mouse Chst15 Protein, Myc/DDK-tagged

Cat. No. Chst15-2160M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length carbohydrate sulfotransferase 15 (Chst15), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Sulfotransferase that transfers sulfate from 3'-phosphoadenosine 5'-phosphosulfate (PAPS) to the C-6 hydroxyl group of the GalNAc 4-sulfate residue of chondroitin sulfate A and forms chondroitin sulfate E containing GlcA-GalNAc(4,6-SO ₄) repeating units. It also transfers sulfate to a unique non-reducing terminal sequence, GalNAc(4SO ₄)-GlcA(2SO ₄)-GalNAc(6SO ₄), to yield a highly sulfated structure similar to the structure found in thrombomodulin chondroitin sulfate. May also act as a B-cell receptor involved in BCR ligation-mediated early activation that mediate regulatory signals key to B-cell development and/or regulation of B-cell-specific RAG expression; however such results are unclear in vivo.
Molecular Mass	65 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Chst15 carbohydrate sulfotransferase 15 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Chst15](#)

Synonyms CHST15; carbohydrate (N-acetylgalactosamine 4-sulfate 6-O) sulfotransferase 15; carbohydrate sulfotransferase 15; GalNAc4S-6ST; B-cell RAG-associated gene protein; GalNAc 4-sulfate 6-O-sulfotransferase; N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase; BRAG; MAD5; mKIAA0598; GalNAcS-6ST; 4631426J05Rik

Gene ID [77590](#)

mRNA Refseq [NM_029935](#)

Protein Refseq [NP_084211](#)

UniProt ID [Q91XQ5](#)

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