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 sulfat e A and forms chondroitin sulfate E containing GlcA-GalNAc(4,6-SO4) repeating unit s. It also transfers sulfate to a unique non-reducing terminal sequence, GalNAc(4SO 4)-GlcA(2SO4)-GalNAc(6SO4), to yield a highly sulfated structure similar to the struct ure found in thrombomodulin chondroitin sulfate. May also act as a B-cell receptor inv olved 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 suc h 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.

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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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