

Recombinant Mouse Chst12 Protein, Myc/DDK-tagged

Cat. No. Chst12-2159M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length carbohydrate sulfotransferase 12 (Chst12), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the transfer of sulfate to position 4 of the N-acetylgalactosamine (GalNAc) residue of chondroitin and desulfated dermatan sulfate. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage and is distributed on the surfaces of many cells and extracellular matrices. Activity toward partially desulfated dermatan sulfate is however lower. Does not form 4, 6-di-O-sulfated GalNAc when chondroitin sulfate C is used as an acceptor.
Molecular Mass	49.4 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.
Concentration	>50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name [Chst12 carbohydrate sulfotransferase 12 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Chst12](#)

Synonyms CHST12; carbohydrate sulfotransferase 12; chondroitin 4-sulfotransferase 2; chondroitin 4-O-sulfotransferase 2; C4S-2; C4ST2; AI595374

Gene ID [59031](#)

mRNA Refseq [NM_021528](#)

Protein Refseq [NP_067503](#)

UniProt ID [Q99LL3](#)

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