

Recombinant Mouse Chst10 Protein, Myc/DDK-tagged

Cat. No. Chst10-001M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse carbohydrate sulfotransferase 10 (Chst10), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the transfer of sulfate to position 3 of terminal glucuronic acid of both protein- and lipid-linked oligosaccharides. Participates in biosynthesis of HNK-1 carbohydrate structure, a sulfated glucuronyl-lactosaminy residue carried by many neural recognition molecules, which is involved in cell interactions during ontogenetic development and in synaptic plasticity in the adult. May be indirectly involved in synapse plasticity of the hippocampus, via its role in HNK-1 biosynthesis.
Molecular Mass	44.6 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 [Chst10 carbohydrate sulfotransferase 10 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Chst10](#)

Synonyms Chst10; carbohydrate sulfotransferase 10; S; ST; Hnk-1; Hnk-1st; AI507003; AU041319; carbohydrate sulfotransferase 10; HNK-1 sulfotransferase; HNK1ST; EC 2.8.2.-

Gene ID [98388](#)

mRNA Refseq [NM_145142](#)

Protein Refseq [NP_660124](#)

UniProt ID [Q6PGK7](#)

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