

Active Recombinant Mouse Chst1 Protein, His-tagged

Cat. No. Chst1-751M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Chst1 (Accession # NP_076339) Arg24-Leu411, fused with an N-terminal 6-His tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Mouse
Source	CHO
ProteinLength	Arg24-Leu411
Predicted N Terminal	His
Form	Supplied as a 0.2 µ filtered solution in Tris and NaCl.
Bio-activity	Measured by its ability to transfer sulfate from PAPS to alpha -Lactose. The specific activity is >500 pmol/min/µg, as measured under the described conditions.
Molecular Mass	Recombinant Mouse Chst1, His-tagged has a calculated MW of 45 kDa. In SDS-PAGE migrates as 50-60 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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Reconstitution

Reconstitute at 25 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION
Gene Name

[Chst1](#) carbohydrate (keratan sulfate Gal-6) sulfotransferase 1 [*Mus musculus*]

Official Symbol

Chst1

Synonyms

CHST1; carbohydrate (keratan sulfate Gal-6) sulfotransferase 1; carbohydrate sulfotransferase 1; KSST; KS6ST; keratan sulfate Gal-6 sulfotransferase; N-acetylglucosamine-6-O-sulfotransferase 1; galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 1; C6ST; Gst1; GST-1; AW125896; KSGAL6ST; 2610008E20Rik;

Gene ID

[76969](#)

mRNA Refseq

[NM_023850](#)

Protein Refseq

[NP_076339](#)

MIM

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