

## Active Recombinant Mouse Chst1 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	CHO
<b>ProteinLength</b>	Arg24-Leu411
<b>Predicted N Terminal</b>	His
<b>Form</b>	Supplied as a 0.2 µ filtered solution in Tris and NaCl.
<b>Bio-activity</b>	Measured by its ability to transfer sulfate from PAPS to alpha -Lactose. The specific activity is >500 pmol/min/g, as measured under the described conditions.
<b>Molecular Mass</b>	Recombinant Mouse Chst1, His-tagged has a calculated MW of 45 kDa. In SDS-PAGE migrates as 50-60 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	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 g/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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