Active Recombinant Mouse Heparan Sulfate 6-O-Sulfotransferase 3, His-tagged

Cat. No. Hs6st3-1972M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RecombinantMouse Hs6st3 protein was expressed in Chinese HamsterOvary cell line. Pro28-Trp470, with an N-terminal 6-His tag.
Species	Mouse
Source	CHO
ProteinLength	28-470 a.a.
Description	Heparansulfate is a highly sulfated polysaccharide that can be found on the cellsurface and extracellular matrix. It is usually covalently attached to aprotein core as the glycan component of a proteoglycan. Heparan sulfateinteracts with a variety of proteins, such as growth factors, proteaseinhibitors, cytokines, lipoprotein lipase and viral envelope proteins,therefore playing roles in cell growth, cell differentiation, cell motility,blood coagulation, lipid metabolism and viral infection. Heparan sulfateconsists of repeating residues of uronic acid and N-acetylglucosamine. Theuronic acid residues can be sulfated at the 2-O position by heparan sulfate 2-Osulfotransferase.
Form	Supplied as a 0.2 umfiltered solution in Tris, NaCl and EDTA.
N-terminalSequence	His
MolecularWeight	53 kDa

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Activity	Measuredby its ability to transfer sulfate from PAPS to heparan sulfate. The specificactivity is > 40 pmoles/min/µg, as measured under the described conditions.
Endotoxin Level	<1.0EU per 1µg of the protein by the LAL method.
SDS-PAGE	70-90kDa, reducing conditions.
Purity	>95%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freezethawcycles. 6months from date of receipt, -20 to -70°C as supplied. 3 months, -20 to -70°Cunder sterile conditions after opening.

GENE INFORMATION

Gene Name	Hs6st3 heparan sulfate6-O-sulfotransferase 3 [Mus musculus]
Official Symbol	Hs6st3
Synonyms	Hs6st3; heparansulfate 6-O-sulfotransferase 3; 6OST3; HS6ST-3; heparan-sulfate6-O-sulfotransferase 3
Gene ID	50787
mRNA Refseq	NM_015820
Protein Refseq	NM_015820
UniProt ID	Q149R8
Chromosome	14

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Location	
Pathway	Glycosaminoglycanbiosynthesis - heparan sulfate
Function	sulfotransferaseactivity; transferase activity

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