HS3ST3B1 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	HS3ST3B1, Lysate
Full Product Name	Human HS3ST3B1 Protein Lysate
Product Gene Name	HS3ST3B1 lysate
Product Synonym Names	HS3ST3B1; 3-OST-3B; 3OST3B1; h3-OST-3B
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	43kDa
OMIM	604058
3D Structure	ModBase 3D Structure for Q9Y662
Related Product Information for HS3ST3B1 lysate	Human HS3ST3B1 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of HS3ST3B1 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HS3ST3B1 purchase	MBS8413173 is a lysate targeting HS3ST3B1. Also known as Human HS3ST3B1 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HS3ST3B1. It may not necessarily be applicable to this product.

NCBI GI #	5174467
NCBI GeneID	9953
NCBI Accession #	NP_006032
UniProt Primary Accession #	Q9Y662
UniProt Related Accession #	Q9Y662
GenBank Nucleotide #	NM_006041
NCBI Official Full Name	heparan sulfate glucosamine 3-O-sulfotransferase 3B1
NCBI Official Synonym Full Names	heparan sulfate-glucosamine 3-sulfotransferase 3B1
NCBI Official Symbol	HS3ST3B1
NCBI Official Synonym Symbols	3OST3B1; 3-OST-3B; h3-OST-3B
UniProt Protein Name	Heparan sulfate glucosamine 3-O-sulfotransferase 3B1
UniProt Synonym Protein Names	Heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3B1; 3-OST-3B; Heparan sulfate 3-O-sulfotransferase 3B1; h3-OST-3B

Protein Family	Heparan sulfate glucosamine 3-O-sulfotransferase
UniProt Gene Name	HS3ST3B1
UniProt Synonym Gene Names	3OST3B1; HS3ST3B; 3-OST-3B; Heparan sulfate 3-O-sulfotransferase 3B1; h3-OST-3B
UniProt Entry Name	HS3SB_HUMAN
NCBI Protein Information	heparan sulfate glucosamine 3-O-sulfotransferase 3B1
NCBI Summary for HS3ST3B1	The protein encoded by this gene is a type II integral membrane protein that belongs to the 3-O-sulfotransferases family. These proteins catalyze the addition of sulfate groups at the 3-OH position of glucosamine in heparan sulfate. The substrate specificity of individual members of the family is based on prior modification of the heparan sulfate chain, thus allowing different members of the family to generate binding sites for different proteins on the same heparan sulfate chain. Following treatment with a histone deacetylase inhibitor, expression of this gene is activated in a pancreatic cell line. The increased expression results in promotion of the epithelial-mesenchymal transition. In addition, the modification catalyzed by this protein allows herpes simplex virus membrane fusion and penetration. A very closely related homolog with an almost identical sulfotransferase domain maps less than 1 Mb away. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]
Research Articles on HS3ST3B1	**1.** The SNP rs28470223 results in decreased promoter activity of HS3ST3A1 and slightly higher HS3ST3A1 catalytic activity in vitro.
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