

Recombinant Human HS3ST4 Protein

Cat. No. HS3ST4-5054H Lot. No. (See product label)

SPECIFICATION

Product Overview Human HS3ST4 full-length ORF (AAI56388.1) recombinant protein without tag.

Species Human

Source Wheat Germ

Description This gene encodes the enzyme heparan sulfate D-glucosaminyl 3-O-sulfotransferase 4. This enzyme generates 3-O-sulfated glucosaminyl residues in heparan sulfate. Cell surface heparan sulfate is used as a receptor by herpes simplex virus type 1 (HSV-1), and expression of this gene is thought to play a role in HSV-1 pathogenesis.
[provided by RefSeq]

Form Liquid

Molecular Mass 50.2 kDa

AA Sequence

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MARWPAPPPPPPPPLAAPPPGASAKGPPARKLLFMCTLSLSVTYLCYLLGGS
GSLQFPLALQESPGAAAEPSPPPPSLLPTVRLGAPSQPPAPPPLDNASHGEP
EPPEQPAAPGTDGWGLPSGGGAQDAWLRTPLAPSEMITAQSALPEREAQESST
DEDLAGRRAANGSSERGGAVSTPDYGEKKLPQALIIGVKKGGTRALLEAIRVHPDVR
AVGVEPHFFDRNYEKGLEWYRNVMPTKLDGQITMEKTPSYFVTNEAPKRIHSMKD
IKLIVVVRNPVTRAI SDYTQTL SKKPEIPTFEVLAFKNRTLGLIDASWSAIRIGIYALHLE
NWLQYFPLSQILFVSGERLIVDPAGEMAKVQDFLGLKRVVTEKHFYFNKTKGFPC
LPEDSSAPRCLGKSKGRTHPRIDPDVIHRLRKFYKPFNL MFYQMTGQDFQWEQEE
GDK
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Applications	Antibody Production Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name	HS3ST4 heparan sulfate (glucosamine) 3-O-sulfotransferase 4 [Homo sapiens]
Official Symbol	HS3ST4
Synonyms	HS3ST4; heparan sulfate (glucosamine) 3-O-sulfotransferase 4; heparan sulfate glucosamine 3-O-sulfotransferase 4; 3OST4; heparan sulfate 3-O-sulfotransferase 4; heparan sulfate 3-O-sulfotransferase-4; heparan sulfate D-glucosaminyl 3-O-sulfotransferase 4; 3OST4; 3-OST-4; h3-OST-4;
Gene ID	9951
mRNA Refseq	NM_006040
Protein Refseq	NP_006031
MIM	604059

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UniProt ID

Q9Y661

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