

Product datasheet for MC205511

Hs2st1 (NM_011828) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hs2st1 (NM_011828) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hs2st1
Synonyms:	2OST; AW214369; Hs2st; mKIAA0448
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC025443

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CCACGCGTCCGGCGAGGGGAAGAGGGCGTGC GGCCGTGGGGTCCCCAAGCCAGGGGGCAGCGGCAGCGGCA
GGAGGGCGCCAGGGCCGTCGAGTGGGCCCGGAGAACGCTGCATCAGGCGCCGGCGCTGGCTCCC GCGG
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AAAGTTTATTAGAATGTTTGATCGTGTTTTCCAGAACATTTCTGCTACAGTTGGGTTTGCCCATATTTA
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Restriction Sites:

RsrII-NotI

ACCN:

NM_011828

Insert Size:

1071 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC025443 , AAH25443
RefSeq Size:	4748 bp
RefSeq ORF:	1071 bp
Locus ID:	23908
UniProt ID:	Q8R3H7
Cytogenetics:	3 H2
Gene Summary:	Catalyzes the transfer of sulfate to the C2-position of selected hexuronic acid residues within the maturing heparan sulfate (HS). 2-O-sulfation within HS, particularly of iduronate residues, is essential for HS to participate in a variety of high-affinity ligand-binding interactions and signaling processes. Required for metanephric development of kidney formation, suggesting that 2-O-sulfation within HS is essential for signaling between ureteric bud and metanephric mesenchyme. Mediates 2-O-sulfation of both L-iduronyl and D-glucuronyl residues. [UniProtKB/Swiss-Prot Function]