Product datasheet for MR205424L4V

Hs2st1 (NM_011828) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Hs2st1 (NM_011828) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Hs2st1
Synonyms:	2OST; AW214369; Hs2st; mKIAA0448
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011828
ORF Size:	1071 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205424).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_011828.2, NP_035958.2
RefSeq Size:	4811 bp
RefSeq ORF:	1071 bp
Locus ID:	23908
UniProt ID:	Q8R3H7
Cytogenetics:	3 H2

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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]