

## Product datasheet for **RC209256L4V**

### HS3ST1 (NM\_005114) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	HS3ST1 (NM_005114) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HS3ST1
Synonyms:	3OST; 3OST1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005114
ORF Size:	921 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209256).
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. <a href="#">More info</a>
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:	<a href="#">NM_005114.2</a>
RefSeq Size:	1965 bp
RefSeq ORF:	924 bp
Locus ID:	9957
UniProt ID:	<a href="#">O14792</a>
Cytogenetics:	4p15.33
Domains:	Sulfotransfer
Protein Families:	Druggable Genome


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**Protein Pathways:** Heparan sulfate biosynthesis

**MW:** 35.8 kDa

**Gene Summary:** Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biologic activities. The enzyme encoded by this gene is a member of the heparan sulfate biosynthetic enzyme family. It possesses both heparan sulfate glucosaminyl 3-O-sulfotransferase activity, anticoagulant heparan sulfate conversion activity, and is a rate limiting enzyme for synthesis of anticoagulant heparan. This enzyme is an intraluminal Golgi resident protein. [provided by RefSeq, Jul 2008]