

## Product datasheet for RC210819L4

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OriGene Technologies, Inc.

### HS3ST2 (NM\_006043) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type: Expression Plasmids** 

**Product Name:** HS3ST2 (NM\_006043) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: HS3ST2

3OST2; 30ST2 Synonyms: **Mammalian Cell** 

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

**ORF Nucleotide** 

Sequence:

The ORF insert of this clone is exactly the same as(RC210819).

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

ACCN: NM\_006043

**ORF Size:** 1101 bp





#### HS3ST2 (NM\_006043) Human Tagged Lenti ORF Clone - RC210819L4

**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.

**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:** 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:** <u>NM 006043.1</u>

RefSeq Size: 1968 bp
RefSeq ORF: 1104 bp
Locus ID: 9956

UniProt ID: Q9Y278

Cytogenetics: 16p12.2

**Domains:** Sulfotransfer

**Protein Families:** Transmembrane

**Protein Pathways:** Heparan sulfate biosynthesis

**MW:** 41.5 kDa

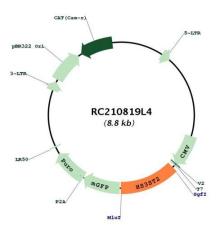
**Gene Summary:** Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct

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 is a type II integral membrane protein and possesses heparan sulfate glucosaminyl 3-O-sulfotransferase activity. This gene is expressed predominantly in brain and may play a role in the nervous

system. [provided by RefSeq, Jul 2008]



# **Product images:**



Circular map for RC210819L4