

Product datasheet for RC210772L3

OriGene Technologies, Inc.

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CSPS (SULT1A3) (NM_003166) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CSPS (SULT1A3) (NM_003166) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: CSPS

Synonyms: HAST; HAST3; M-PST; MGC117469; ST1A5; STM; SULT1A4; TL-PST

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide The ORF insert of this clo

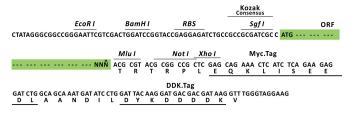
Sequence:

The ORF insert of this clone is exactly the same as(RC210772).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_003166

ORF Size: 885 bp





CSPS (SULT1A3) (NM_003166) Human Tagged Lenti ORF Clone - RC210772L3

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 003166.3</u>, <u>NP 003157.1</u>

RefSeq Size: 1604 bp RefSeq ORF: 887 bp Locus ID: 6818

Cytogenetics: 16p11.2

Domains: Sulfotransfer

Protein Pathways: Sulfur metabolism

MW: 34.3 kDa

Gene Summary: Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones,

neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different

in their tissue distributions and substrate specificities. The gene structure (number and

length of exons) is similar among family members. This gene encodes a phenol

sulfotransferase with thermolabile enzyme activity. Four sulfotransferase genes are located

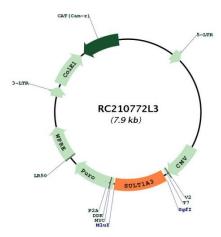
on the p arm of chromosome 16; this gene and SULT1A4 arose from a segmental duplication. This gene is the most centromeric of the four sulfotransferase genes. Read-through

transcription exists between this gene and the upstream SLX1A (SLX1 structure-specific endonuclease subunit homolog A) gene that encodes a protein containing GIY-YIG domains.

[provided by RefSeq, Nov 2010]



Product images:



Circular map for RC210772L3