

Product datasheet for RC209931L2

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

SULT1A4 (NM_001017390) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: SULT1A4 (NM_001017390) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: SULT1A4

Synonyms: HAST3; M-PST; ST1A3; ST1A4; ST1A4; STM; TL-PST

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC209931).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001017390

ORF Size: 885 bp





SULT1A4 (NM_001017390) Human Tagged Lenti ORF Clone - RC209931L2

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 001017390.1</u>

 RefSeq Size:
 1397 bp

 RefSeq ORF:
 888 bp

 Locus ID:
 445329

 UniProt ID:
 P50224

 Cytogenetics:
 16p11.2

Protein Pathways: Sulfur metabolism

MW: 34.2 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 SULT1A3 arose from a segmental duplication.

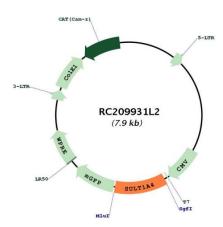
Read-through transcription exists between this gene and the upstream SLX1B (SLX1

structure-specific endonuclease subunit homolog B) gene that encodes a protein containing

GIY-YIG domains. [provided by RefSeq, Nov 2010]



Product images:



Circular map for RC209931L2