

# Product datasheet for RC204737L4

### OriGene Technologies, Inc.

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## SULT2A1 (NM\_003167) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: SULT2A1 (NM\_003167) Human Tagged Lenti ORF Clone

Tag: mGFP
Symbol: SULT2A1

Synonyms: DHEA-ST; DHEA-ST8; DHEAS; HST; hSTa; ST2A1; ST2A3; STD; SULT2A3

Mammalian Cell Puromycin

Selection:

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

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

**ORF Nucleotide** The ORF insert of this clone is exactly the same as(RC204737).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_003167

ORF Size: 855 bp





## SULT2A1 (NM\_003167) Human Tagged Lenti ORF Clone - RC204737L4

**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 003167.2</u>

RefSeq Size: 1987 bp RefSeq ORF: 858 bp

**Locus ID:** 6822

UniProt ID: Q06520

Cytogenetics: 19q13.33

MW: 33.8 kDa

**Gene Summary:** This gene encodes a member of the sulfotransferase family. Sulfotransferases aid in the

metabolism of drugs and endogenous compounds by converting these substances into more

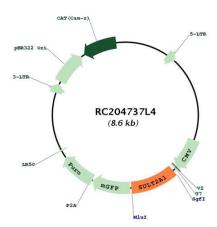
hydrophilic water-soluble sulfate conjugates that can be easily excreted. This protein

catalyzes the sulfation of steroids and bile acids in the liver and adrenal glands, and may have a role in the inherited adrenal androgen excess in women with polycystic ovary syndrome.

[provided by RefSeq, Mar 2010]



# **Product images:**



Circular map for RC204737L4