

Product datasheet for **RR212456L4V**

Sult2b1 (NM_001039665) Rat Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Sult2b1 (NM_001039665) Rat Tagged ORF Clone Lentiviral Particle |
| Symbol: | Sult2b1 |
| Synonyms: | ST2B1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001039665 |
| ORF Size: | 1125 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RR212456). |
| 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. |
| RefSeq: | NM_001039665.1 , NP_001034754.1 |
| RefSeq Size: | 1256 bp |
| RefSeq ORF: | 1128 bp |
| Locus ID: | 292915 |
| UniProt ID: | Q29YR5 |
| Cytogenetics: | 1q22 |



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Gene Summary:

Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs and xenobiotic compounds. Sulfonation increases the water solubility of most compounds, and therefore their renal excretion, but it can also result in bioactivation to form active metabolites. Sulfates hydroxysteroids such as dehydroepiandrosterone. Isoform 1 is required for production of cholesterol sulfate essential for normal skin development whereas isoform 2 produces pregnenolone sulfate, an essential neurosteroid during development of the central nervous system. Plays a role in epidermal cholesterol metabolism and in the regulation of epidermal proliferation and differentiation (By similarity).[UniProtKB/Swiss-Prot Function]