

## Product datasheet for **RR215510**

### Sult1b1 (NM\_022513) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sult1b1 (NM_022513) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sult1b1
Synonyms:	ST1B1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR215510 representing NM_022513 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGTACTGCAGAAGATGTTTTAGAAAAGATCTGAAGATCATTTCATGGCTACCCCATGGTCTATGCTT  
TTGCACTGGGTTGGGAAAAATCGAAGAGTTCCAGAGCAGACCATGTGACATTGTAATACCCACTTACCC  
TAAATCAGGTACTACTTGGCTTAGTGAAATGTGGACATGGTTCTAAATGATGGAATGTTGGAAAATGT  
AAGCGAGATGTTATTACCTCTAAAGTTCCAATGTTGGAACAAAATGTTCCCTGGAGCAAGAAGATCAGGTG  
TTGAACCTTTGAAGAAAACCTCCATCACCTCGAATTATAAAGACACATCTTCCAATTGATCTACTCCAAA  
ATCCTTCTGGGATAACAAGTGAAGATGATTTACCTTGCTAGAAAATGGCAAGGATGTTGCTGTGCTCTAT  
TATCATTTTGTCTAATGAATAATTCAGCCTCTTCTGGCACCTGGGAAGAATATCTGGAGAAATTC  
TCGCTGGAAAATGTGGCCTATGGCTCATGGTTCGATCATGTTAAGAGTTGGTGGGAAAAGAGGGAAGGCA  
TCCCACTTTTCTTATACTATGAAGACTTGAAAAAGAACCCGAAGAAAGAAATCAAGAAGATTGCCAAC  
TTTCTAGACAAGACCTTGGATGAACATACCTTGAAAAGGATCGTCCATCACACCTCCTTTGAAGTGATGA  
AGGATAACCCCTGGTCAATTACACCCATCTGCCACAGAAATAATGGATCACAGCAAGTCCCCATTCAT  
GAGAAAAGGTGTTGTTGGTGACTGGAAAATTACTTCACAATGACCCAAAGTGAGAAATTTGATGCCATA  
TATAAGAAGAAATGTTCTGGAACAACACTTGAGTTCTGCACAGATATTCAGAGTGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR215510 representing NM\_022513  
 Red=Cloning site Green=Tags(s)

MGTAEDVFRKDLKIIHGYPVYAFALGWKEIEEFQSRPCDIVIPTPKSGTTWLSEIVDMVLNDGNVGKC  
 KRDVITSKVPMLEQNVPGARRSGVELLKKTPSPRIKTHLPIDLLPKSFWDNKCKMIYLARNGKDVAVSY  
 YHFDLMNNIQPLPGTWEEYLEKFLAGNVAYGSWFDHVKSWEKREGHPILFLYYEDLKKNPKEIKKIAN  
 FLDKTLDEHTLERIVHHTSFEVMKDNPLVNYTHLPTEIMDHSKSPFMRKGVVGDWKNYFTMTQSEKFDAI  
 YKKKLSGTTLEFCTDIQSA

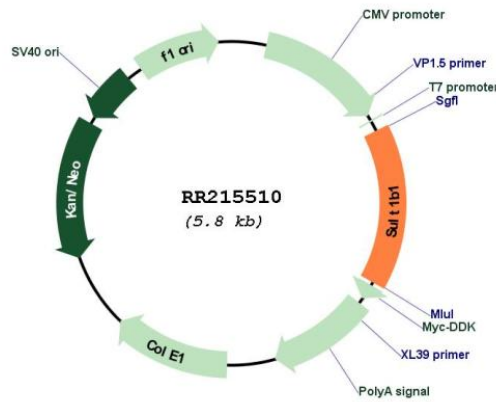
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_022513

**ORF Size:** 897 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_022513.2</a> , <a href="#">NP_071958.1</a>
<b>RefSeq Size:</b>	1276 bp
<b>RefSeq ORF:</b>	900 bp
<b>Locus ID:</b>	64305
<b>UniProt ID:</b>	<a href="#">P52847</a>
<b>Cytogenetics:</b>	14p21
<b>MW:</b>	34.8 kDa
<b>Gene Summary:</b>	an enzyme which catalyzes the transfer of sulfate groups onto various tyrosine and 3,4-dihydroxyphenylalanine (Dopa) isomers [RGD, Feb 2006]