

## Product datasheet for **RC237467**

### SLC35B2 (NM\_001286517) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SLC35B2 (NM\_001286517) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SLC35B2  
**Synonyms:** PAPST1; SLL; UGTrel4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237467 representing NM\_001286517  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTGGCAGGCCCTGAAGCTGCTCTTCTGTGCCACAGGGCTCCAGGTGTCTTATCTGACTGGGGTGTGC  
TGCAGGAAAGAGTGATGACCCGAGCTATGGGGCCACAGCCACATCACCGGGTGAGCGCTTACGGACTC  
GCAGTTCCTGGTCTAATGAACCGAGTGTGGCACTGATTGTGGCTGGCCTCTCCTGTGTCTCTGCAAG  
CAGCCCCGGCATGGGGCACCCATGTACCGTACTCCTTTGCCAGCCTGTCCAATGTGCTTAGCAGCTGGT  
GCCAATACGAAGCTCTTAAGTTCGTCAGCTTCCCCACCCAGGTGCTGGCCAAGGCCTCTAAGGTGATCCC  
TGTCTATGCTGATGGGAAAGCTTGTGTCTCGGCGCAGCTACGAACACTGGGAGTACCTGACAGCCACCCTC  
ATCTCCATTGGGGTACAGCATGTTTCTGTCTATCCAGCGGACCAGAGCCCCGAGCTCCCCAGCCACCACAC  
TCTCAGGCCTCATCTTACTGGCAGGTTATATTGCTTTTGACAGCTTACCTCAAAGTGGCAGGATGCCCT  
GTTTGCCTATAAGATGTCATCGGTGCAGATGATGTTTGGGGTCAATTTCTTCTCCTGCCTTTCACAGTG  
GGCTCACTGCTAGAACAGGGGGCCCTACTGGAGGGAACCCGCTTCATGGGGCGACACAGTGAGTTTGCTG  
CCCATGCCCTGCTACTCTCCATCTGCTCCGATGTGGCCAGCTTTCATCTTTTACACCATGGGCAGTT  
TGGGGTGGCGTCTTACCATCATCATGACCCTCCGCCAGGCCTTGGCCATCCTTCTTCTCCTGCCTTCTC  
TATGGCCACACTGTCACTGTGGTGGGAGGGCTGGGGTGGCTGTGGTCTTTGCTGCCCTCCTGCTCAGAG  
TCTACGCGGGGGCCGTCTAAAGCAACGGGAAAGAGGCTGTGCCTGTTGAGTCTCCTGTGCAGAAGGT  
T

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237467 representing NM\_001286517  
Red=Cloning site Green=Tags(s)

MWQALKLLFCATGLQVSYLTWGLQERVMTRSYPGATATSPGERFTDSQFLVLMNRVLALIVAGLSCVLCK  
 QPRHGAPMYRYSFASLSNVLSSWCQYEALKFVSFPTQVLAKASKVIPVLMGKLVSRRSYEHWEYLATL  
 ISIGVSMFLLSSGPEPRSSPATTLSGLILLAGYIAFDSFTSNWQDALFAYKMSSVQMMFGVNFSSCLFTV  
 GSLLLEQGALLEGTRFMGRHSEFAAHALLLSICSACGQLFIFYTIGQFGAAVFTIIMTLRQAFAILLSCLL  
 YGHTVTVVVGLGVAVVFAALLLRVYARGRLKQRGKKAVPVESPVQKV

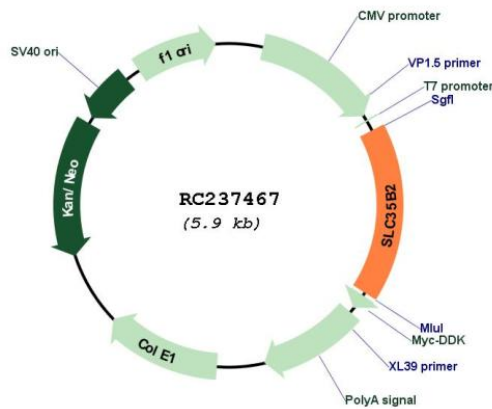
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001286517

**ORF Size:** 981 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_001286517.2</a>
<b>RefSeq Size:</b>	1890 bp
<b>RefSeq ORF:</b>	984 bp
<b>Locus ID:</b>	347734
<b>UniProt ID:</b>	<a href="#">Q8TB61</a>
<b>Cytogenetics:</b>	6p21.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	36.4 kDa
<b>Gene Summary:</b>	Sulfotransferases (e.g., SULT4A1; MIM 608359) use an activated form of sulfate, 3-prime-phosphoadenosine 5-prime-phosphosulfate (PAPS), as a common sulfate donor for sulfation of glycoproteins, proteoglycans, and glycolipids in the endoplasmic reticulum and Golgi apparatus. SLC35B2 is located in the microsomal membrane and transports PAPS from the cytosol, where it is synthesized, into the Golgi lumen (Kamiyama et al., 2003 [PubMed 12716889]).[supplied by OMIM, Mar 2008]