

Product datasheet for **SC335193**

SLC35B2 (NM_001286519) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35B2 (NM_001286519) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC35B2
Synonyms:	PAPST1; SLL; UGTrel4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335193 representing NM_001286519. Blue=Insert sequence Red=Cloning site Green=Tag(s)

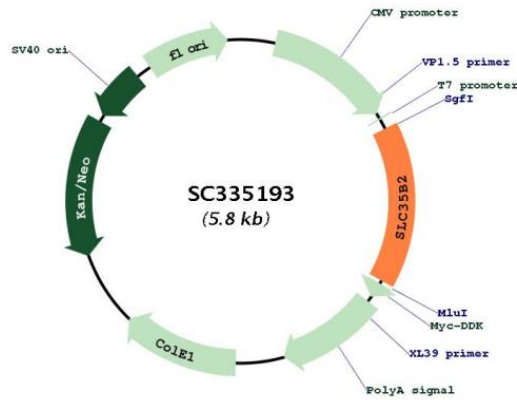
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGACCCGCAGCTATGGGGCCACAGCCACATCACCGGGTGAGCGCTTTACGGACTCGCAGTTCCTGGTG
CTAATGAACCGAGTGCTGGCACTGATTGTGGCTGGCCTCTCCTGTGTTCTCTGCAAGCAGCCCCGGCAT
GGGGCACCCATGTACCGTACTCCTTTGCCAGCCTGTCCAATGTGCTTAGCAGCTGGTCCAATACGAA
GCTCTTAAGTTCGTCAGCTTCCCCACCCAGGTGCTGGCCAAGGCCTAAGGTGATCCCTGTCATGCTG
ATGGGAAAGCTTGTGCTCGGCGCAGCTACGAACACTGGGAGTACCTGACAGCCACCCTCATCTCCATT
GGGGTCAGCATGTTTCTGCTATCCAGCGGACCAGAGCCCCGAGCTCCCCAGCCACCACACTCTCAGGC
CTCATCTTACTGGCAGGTTATATTGCTTTTGACAGCTTACCTCAAAGTGGCAGGATGCCCTGTTTGCC
TATAAGATGTCATCGGTGCAGATGATGTTTGGGGTCAATTTCTTCTCCTGCCTCTTCACAGTGGGCTCA
CTGCTAGAACAGGGGGCCCTACTGGAGGGAACCCGCTTCATGGGGCGACACAGTGAGTTTGCTGCCCAT
GCCCTGCTACTCTCCATCTGCTCCGATGTGGCCAGCTTTCATCTTTTACACATTGGGCAGTTTGGG
GCTGCCGTCTTACCATCATCATGACCTCCGCCAGGCCCTTGGCATCCTTCTTCTGCTTCTCTAT
GGCCACACTGTCACTGTGGTGGGAGGGCTGGGGTGGCTGTGGTCTTGTGCTCCCTGCTCAGAGTC
TACGCGCGGGCCGTCTAAAGCAACGGGAAAGAAGGCTGTGCCTGTTGAGTCTCCTGTGCAGAAGTT
TGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001286519

Insert Size: 900 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [NM_001286519.1](#)

RefSeq Size: 1735 bp

RefSeq ORF: 900 bp

Locus ID: 347734

UniProt ID: [Q8TB61](#)

Cytogenetics: 6p21.1

Protein Families: Druggable Genome, Transmembrane

MW: 32.7 kDa

Gene Summary: 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]
Transcript Variant: This variant (8) lacks two alternate exons, resulting in translation initiation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (f) is shorter at the N-terminus, compared to isoform a. Both variants 8 and 9 encode isoform f.