

## Product datasheet for **SC336058**

### SLC35B2 (NM\_001286509) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35B2 (NM_001286509) 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:	>SC336058 representing NM_001286509. Blue=Insert sequence Red=Cloning site Green=Tag(s)

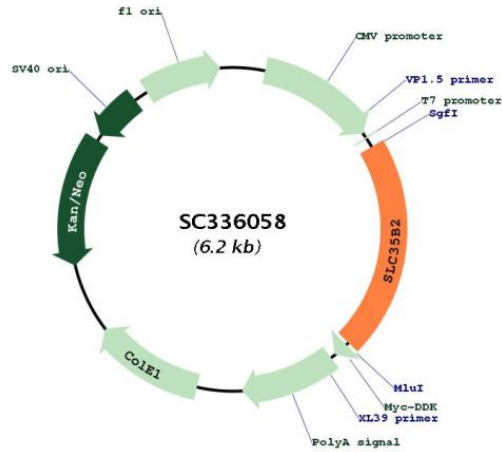
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGGGCAGTGGTGGTCTGGCTGCGTTCCCTCCCTAGGGGCAGGTGGGGAGACTCCCGAAGCCCC
TCCGGAGTCATGGACCCAGCTATGGTCTTCCGATTTGTGGTGAATGCTGCTGGCTATGCCAGCTTTAT
GGTACCTGGCTACCTCCTGGTGCAGTACTTCAGGCGGAAGAACTACCTGGAGACCGGGCCCTCTGCTTT
CCCCTGGTAAAGCTTGTGTGTTGGCAATGAGCCCAAGGCTCTGATGAGGTTCCCTGGCGCCCCGA
ACAGAGGGCGCAGAGACCACCCGATGTGGCAGGCCCTGAAGCTGCTCTTCTGTGCCACAGGGCTCCAG
GTGCTTATCTGACTTGGGGTGTGCTGCAGGAAAGAGTGATGACCCGCAGCTATGGGGCCACAGCCACA
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AGCCTGTCCAATGTGCTTAGCAGCTGGTGCCAATACGAAGCTCTTAAGTTCGTCAGTTCGCCACCCAG
GTGCTGGCCAAGGCCCTAAGGTGATCCCTGTCATGCTGATGGGAAAGCTTGTGTCTCGGCGCAGCTAC
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CCAGAGCCCCGAGCTCCCCAGCCACCACACTCTCAGGCCATCTTACTGGCAGGTTATATTGCTTTT
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GGGGTCAATTTCTCCTGCCTCTTACAGTGGGCTCACTGCTAGAACAGGGGGCCCTACTGGAGGGA
ACCCGCTTCATGGGGCGACACAGTGAGTTTGTGCCATGCCCTGCTACTCTCCATCTGCTCCGATGT
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CGCCAGGCCTTTGCCATCCTTCTTCTGCTTCTATGGCCACACTGTCACTGTGGTGGGAGGGCTG
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AAGAAGGCTGTGCTGTTGAGTCTCCTGTGCAGAAAGTTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI

**Plasmid Map:**



ACCN: NM\_001286509

Insert Size: 1284 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\\_001286509.1](#)

RefSeq Size: 2080 bp

RefSeq ORF: 1284 bp

Locus ID: 347734

UniProt ID: [Q8TB61](#)

Cytogenetics: 6p21.1

Protein Families: Druggable Genome, Transmembrane

**MW:** 46.3 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 (2) uses an alternate splice site that results in a frameshifted 5' coding region and translation initiation at an alternate start codon, compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is shorter than isoform a. Both variants 2 and 3 encode isoform b.