

Product datasheet for **SC124515**

SLC35B2 (NM_178148) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35B2 (NM_178148) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC35B2
Synonyms:	PAPST1; SLL; UGTrel4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124515 sequence for NM_178148 edited (data generated by NextGen Sequencing)

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ATGGACGCCAGATGGTGGCAGTGGTGGTGGTGGTGGCTGGCTGCGTTCCCTCCCTAGGGGCAGGT
GGGGAGACTCCCGAAGCCCTCCGGAGTATGGACCCAGCTATGGTTCTTCCGATTGTG
GTGAATGCTGCTGGCTATGCCAGCTTTATGGTACCTGGCTACCTCCTGGTGCAGTACTTC
AGGCGGAAGAATACTGGAGACCGGTAGGGGCCTCTGCTTTCCCTGGTAAAAGCTTGT
GTGTTTGGCAATGAGCCCAAGGCCTCTGATGAGGTTCCCTGGCGCCCGAACAGAGGCG
GCAGAGACCACCCGATGTGGCAGGCCCTGAAGCTGCTTCTGTGCCACAGGGCTCCAG
GTGCTTTATCTGACTTGGGGTGTGCTGCAGGAAAGAGTATGACCCGAGCTATGGGGCC
ACAGCCACATCACC GG T GAGCGCTTACGGACTCGCAGTTCTGGTGTAAATGAACCGA
GTGCTGGCACTGATTGTGGCTGGCTCTCCTGTGTTCTCTGCAAGCAGCCCGGCGATGGG
GCACCCATGTACCGGTACTCCTTTGCCAGCCTGTCCAATGTGCTTAGCAGCTGGTGCCAA
TACGAAGCTCTTAAGTTCGTGCTGCTTCCCCACCCAGGTGGTGGCCAAGGCCTCTAAGGTG
ATCCCTGTGCTGATGGGAAAGCTTGTGCTCGGCGCAGCTACGAACACTGGGAGTAC
CTGACAGCCACCCATCTCCATTGGGGTCAAGCATGTTTCTGCTATCCAGCGGACCAGAG
CCCCGAGCTCCCCAGCCACCACTCTCAGGCCTCATCTACTGGCAGTTATATTGCT
TTTGACAGCTTCACTCAAAGTGGCAGGATGCCCTGTTTGCCTATAAGATGTCATCGGTG
CAGATGATGTTTGGGGTCAATTTCTTCTCCTGCCTTTCACAGTGGGCTCACTGCTAGAA
CAGGGGGCCCTACTGGAGGGAACCCGCTTCATGGGGCGACACAGTGAGTTTGTGCCCAT
GCCCTGCTACTCTCCATCTGCTCCGCATGTGGCCAGCTTTCATCTTTTACACCATTGGG
CAGTTTGGGGCTGCCGTCTTACCATCATCATGACCCCTCCGCCAGGCCTTTGCCATCCTT
CTTTCTGCTTCTCTATGGCCACACTGTCACTGTGGTGGGAGGGCTGGGGGTGGCTGTG
GTCTTTGCTGCCCTCCTGCTCAGAGTCTACGCGCGGGGCCGTCTAAAGCAACGGGGAAAG
AAGGCTGTGCCTGTTGAGTCTCCTGTGCAGAAGGTTTGA
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Clone variation with respect to NM_178148.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_178148 unedited CCGTCAGCATTTGTATACGACTCCTATAGGGCGGCCGCGAATTCGCACGAGGCGGCCTGG ACCTGGACGCCAGAGGTGGGCAGTGGTGGTGGCTGGCTGCGTTCCCTCCCTAGGGGCAGG TGGGGAGACTCCCGAAGCCCCTCCGGAGTCATGGACCCAGCTATGGTTCTTCCGATTTGT GGTGAATGCTGCTGGCTATGCCAGCTTTATGGTACCTGGCTACCTCCTGGTGCAGTACTT CAGGCGGAAGAATACTACCTGGAGACCGGTAGGGGCCTCTGCTTTCCCTGGTAAAAGCTTG TGTGTTTGGCAATGAGCCCAAGGCCTCTGATGAGGTTCCCTGGCGCCCCGAACAGAGGC GGCAGAGACCACCCGATGTGGCAGGCCCTGAAGCTGCTCTTCTGTGCCACAGGGCTCCA GGTGTCTTATCTGACTTGGGGTGTGCTGCAGGAAAGAGTGATGACCCGCAGCTATGGGGC CACAGCCACATCACCGGGTGGAGCGCTTTACGGACTCGCAGTTCCTGGTGTAAATGAACCG AGTGTGGCACTGATTGTGGCTGGCCTCTCCTGTGTTCTCTGCAAGCAGCCCCGGCATGG GGCACCCATGTACCGGTACTCCTTTGCCAGCCTGTCCAATGTGCTTAGCAGCTGGTGCCA ATACGAAGCTCTAAGTTCGTCAGCTTCCCCACCCAGGTGCTGGCCAAGGCCTCTAAGGT GATCCCTGTGCTGATGGGAAAGCTTGTGTCTCGGCGCAGCTACGAACACTGNGAGTA CCTGACAGCCACCCTCATCTTCATTGGGGTCTGATGTTTCTGCTATCCAGCGGACCAGA GCCCGCAGCTCCCACACCACACTCTCAGGCCTCATCTTACTGGCNAGGTATATTGCT NTTGACAGCTTACCTCANACTGGC
Restriction Sites:	NotI-NotI
ACCN:	NM_178148
Insert Size:	1800 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:	<ol style="list-style-type: none"> 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_178148.1 , NP_835361.1
RefSeq Size:	2057 bp
RefSeq ORF:	1299 bp
Locus ID:	347734
UniProt ID:	Q8TB61
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome, Transmembrane

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 (1) encodes the longest isoform (a).