

Product datasheet for **RG206864**

SLC35B2 (NM_178148) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35B2 (NM_178148) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC35B2
Synonyms:	PAPST1; SLL; UGTrel4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206864 representing NM_178148 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGCCAGATGGTGGGCAGTGGTGGTGGTGGCTGGCTGCGTTCCTCCCTAGGGGCAGGTGGGAGACTC
CCGAAGCCCTCCGGAGTCATGGACCCAGCTATGGTCTTCCGATTTGTGGTGAATGCTGCTGGCTATGC
CAGCTTTATGGTACCTGGCTACCTCCTGGTGCAGTACTCAGGCGGAAGAACTACCTGGAGACCGGTAGG
GGCCTCTGCTTTCCCTGGTAAAGCTTGTGTGTTGGCAATGAGCCCAAGGCCTCTGATGAGGTTCCCT
TGGCGCCCGAACAGAGGCGGCAGAGACCACCCGATGTGGCAGGCCCTGAAACTGCTCTTCTGTGCCAC
AGGGCTCCAGGTGCTTATCTGACTTGGGTGTGCTGCAGGAAAGAGTGATGACCCGAGCTATGGGGCC
ACAGCCACATCACCGGTGAGCGCTTACGGACTCGCAGTTCTGGTGCTAATGAACCGAGTGCTGGCAC
TGATTGTGGTGGCTCTCTGTGTTCTCTGCAAGCAGCCCCGGCATGGGGCACCATGTACCGGTA
CTTTGCCAGCCTGTCCAATGTGCTTAGCAGCTGGTGCCAATACGAAGCTCTTAAGTTCGTGAGCTTCCCT
ACCCAGGTGCTGGCAAGGCCTTAAGGTGATCCCTGTGATGCTGATGGGAAAGCTTGTGTCTCGGCGCA
GCTACGAACACTGGGAGTACCTGACAGCCACCCTCATCTCCATTGGGGTCAGCATGTTTCTGCTATCCAG
CGGACCAGAGCCCCGAGCTCCCCAGCCACCACACTCTCAGGCCCTCATCTTACTGGCAGGTTATATTGCT
TTTGACAGCTTACCTCAAACCTGGCAGGATGCCCTGTTTGCCTATAAGATGTCATCGGTGCAGATGATGT
TTGGGGTCAATTTCTTCTCCTGCCTCTTACAGTGGGCTCACTGCTAGAACAGGGGGCCCTACTGGAGGG
AACCCGCTTTCATGGGGGACACAGTGAGTTTGGTGGCCATGCCCTGCTACTCTCCATCTGCTCCGATGT
GGCCAGCTCTTCACTTTACACCATTGGGCGAGTTGGGGCTGCCGTCTTACCATCATCATGACCTCC
GCCAGGCCTTGGCATCCTTCTTCTGCTTCTCTATGGCCACACTGTCACTGTGGTGGGAGGGCTGGG
GGTGGCTGTGGTCTTGTGCTGCCCTCCTGCTCAGAGTCTACGCGCGGGCCGCTCTAAAGCAACGGGAAAG
AAGGCTGTGCTGTTGAGTCTCCTGTGAGAAGTT

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

Protein Sequence: >RG206864 representing NM_178148
Red=Cloning site Green=Tags(s)

MDARWWAVVLLAAFPSLGAGGETPEAPPESWTQLWFFRFVVAAGYASFMVPGYLLVQYFRRKNYLETGR
 GLCFPLVKACVFGNEPKASDEVPLAPRTEAAETTPMWQALKLLFCATGLQVSYL TWGVLQERVMTRSYGA
 TATSPGERFTDSQFLVLMNRVLAIVAGLSCVLCKQPRHGAPMYRYSFASLSNVLSSWCQYEALKFVSFP
 TQVLAKASKVIPVMLMGKLVSRRSYEHWEYL TATLISIGVSMFLLSSGPEPRSSPATTLSGLILLAGYIA
 FDSFTSNWQDALFAYKMSSVQMMFGVNF SCLFTVGSLL EQGALLEGTRFMGRHSEFAAHALLLSIC SAC
 GQLFIFYTIGQFGAAVFTIIMTLRQAF AILL SCLLYGHTVTTVVGLGVAVVFAALLLRVYARGRLKQRGK
 KAVPVESPVQKV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178148

ORF Size: 1296 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_178148.1](#), [NP_835361.1](#)

RefSeq Size: 2057 bp

RefSeq ORF: 1299 bp

Locus ID: 347734

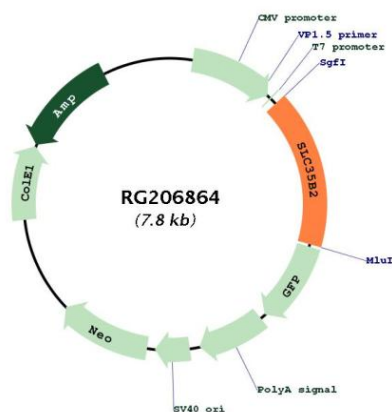
UniProt ID: [Q8TB61](#)

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]

Product images:



Circular map for RG206864