

## Product datasheet for **RG237874**

### SLC35B2 (NM\_001286512) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35B2 (NM_001286512) 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:	>RG237874 representing NM_001286512. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGTACCTGGCTACCTCCTGGTGCAGTACTTCAGGCGGAAGAACTACCTGGAGACCGGTAGGGGCCCTC
TGCTTTCCCTGGTAAAAGCTTGTGTGTTGGCAATGAGCCCAAGGCCTCTGATGAGGTTCCCTGGCG
CCCCGAACAGAGGCGGCAGAGACCACCCCGATGTGGCAGGCCCTGAAGCTGCTTCTGTGCCACAGGG
CTCCAGGTGTCTTATCTGACTTGGGGTGTGCTGCAGGAAAGAGTGATGACCCGCAGCTATGGGGCCACA
GCCACATACCCGGGTGAGCGCTTACGGACTCGCAGTTCCTGGTGCTAATGAACCGAGTGCTGGCACTG
ATTGTGGCTGGCCTCCTCTGTGTTCTCTGCAAGCAGCCCCGGCATGGGGCACCCATGTACCGGTACTCC
TTTGCCAGCCTGTCCAATGTGCTTAGCAGCTGGTGCCAATACGAAGCTCTTAAGTTCGTCAGCTTCCCC
ACCCAGGTGCTGGCCAAGGCCTTAAGGTGATCCCTGTATGCTGATGGGAAAGCTTGTGTCTCGGCGC
AGCTACGAACACTGGGAGTACCTGACAGCCACCCTCATCTCCATTGGGGT CAGCATGTTTCTGCTATCC
AGCGGACCAGAGCCCCGAGCTCCCCAGCCACCACACTCTCAGGCCTCATCTTACTGGCAGGTTATATT
GCTTTTGACAGCTTACCTCAAACCTGGCAGGATGCCCTGTTTGCCTATAAGATGTCATCGGTGCAGATG
ATGTTTGGGGTCAATTTCTTCTCCTGCCTTTCACAGTGGGCTCACTGCTAGAACAGGGGGCCCTACTG
GAGGGAACCCGCTTCATGGGGCGACACAGTGAGTTTGTGCCATGCCCTGCTACTCTCCATCTGCTCC
GCATGTGGCCAGCTCTTCATCTTTTACACCATTGGGCAGTTTGGGGCTGCCGTCTTACCATCATCATG
ACCCTCCGCCAGGCCTTGGCCATCCTTCTTCTGCTTCTCTATGGCCACACTGTCAGTGTGGTGGGA
GGGCTGGGGTGGCTGTGGTCTTTGCTGCCCTCCTGCTCAGAGTCTACGCGGGGGCCGTCTAAAGCAA
CGGGGAAAGAAGGCTGTGCCTGTTGAGTCTCCTGTGCAGAAGGTT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237874  
 Blue=ORF Red=Cloning site Green=Tag(s)

MVPGYLLVQYFRRKNYLETRGLCFPLVKACVFGNEPKASDEVPLAPRTEAAETPMWQALKLLFCATG  
 LQVSYL TWGLVQERVMTRSYGATATSPGERFTDSQFLVLMNRVLAIVAGLSCVLCQPRHGAPMYRYS  
 FASL SNVLSSWCQYEALKFVSFPTQVLAKASKVIPVLMGKLVSRRSYEHWEYL TATLISIGVSMFLLS  
 SGPEPRSSPATTLSGLILLAGYIAFDSFTSNWQDALFAYKMSSVQMMFGVNFSSCLFTVGSLLLEQGALL  
 EGTRFMGRHSEFAAHALLLSICSACGQLFIFYTTIGQFGAAVFTIIMTLRQAFAILLSCLLYGHTVTVVG  
 GLGVAVVFAALLLRVYARGRLKQRGKAVPVEVSPVQKV  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001286512

**ORF Size:** 1149 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.

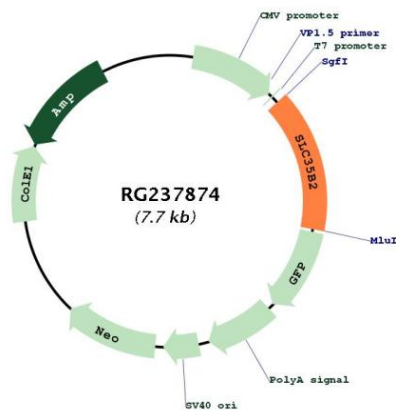
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**RefSeq:** [NM\\_001286512.1](#), [NP\\_001273441.1](#)

**RefSeq Size:** 2083 bp

RefSeq ORF:	1152 bp
Locus ID:	347734
UniProt ID:	<u><a href="#">Q8TB61</a></u>
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome, Transmembrane
MW:	42.6 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]

**Product images:**



Circular map for RG237874