

Product datasheet for **RG237568**

SLC35B2 (NM_001286513) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35B2 (NM_001286513) 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:	>RG237568 representing NM_001286513. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGCTGGCTATGCCAGCTTTATGGTACCTGGCTACCTCCTGGTGCAGTACTTCAGGCGGAAGAAGT
ACCTGGAGACCGGTGTCTTATCTGACTTGGGGTGTGCTGCAGGAAAGAGTGATGACCCGCAGCTATGGG
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TTCCCCACCCAGGTGCTGGCCAAGGCCTCTAAGGTGATCCCTGTCATGCTGATGGGAAAGCTTGTGTCT
CGGCGCAGCTACGAACACTGGGAGTACCTGACAGCCACCCTCATCTCCATTGGGGTCAGCATGTTTCTG
CTATCCAGCGGACCAGAGCCCGCAGCTCCCCAGCCACCACACTCTCAGGCCTCATCTTACTGGCAGGT
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ATCATGACCTCCGCCAGGCCTTTGCCATCCTTCTTCTGCTTCTCTATGGCCACACTGTCAGTGTG
GTGGGAGGGCTGGGGTGGCTGTGCTTTGCTGCCCTCCTGCTCAGAGTCTACGCGCGGGGCCGCTCTA
AAGCAACGGGAAAGAAGGCTGTGCCTGTTGAGTCTCCTGTGCAGAAGGTT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237568
 Blue=ORF Red=Cloning site Green=Tag(s)

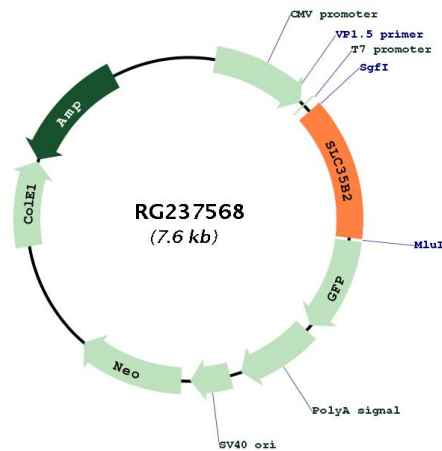
MLLAMPALWYLATSWCSTSGGRTTWRPVSYL TWGVLQERVMTRSYGATATSPGERFTDSQFLVLMNRVL
 ALIVAGLSCVLCKQPRHGAPMYRYSFASLSNLSWCQYEALKFVSFPTQVLAKASKVIPVLMGKLV
 RRSYHEWYELTATLISIGVSMFLSSGPEPRSSPATTLSGLILLAGYIAFDSFTSNWQDALFAYKMSSV
 QMMFGVNF SCLFTVGSLLLEQGALLEGTRFMGRHSEFAAHALLSICSACGQLFIFYTIGQFGAAVFTI
 IMTLRQAFAILLSCLLYGHTVTVVVGGLVAVVFAALLLRVYARGRLKQRGKKA VPVESPVQKV
 TRTRPLEME SDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286513

ORF Size:	1017 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_001286513.1 , NP_001273442.1
RefSeq Size:	1929 bp
RefSeq ORF:	1020 bp
Locus ID:	347734
UniProt ID:	Q8TB61
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome, Transmembrane
MW:	37.7 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]