

Product datasheet for **RG238164**

SLC35B2 (NM_001286509) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35B2 (NM_001286509) 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:	>RG238164 representing NM_001286509. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGGGCAGTGGTGGTCTGGCTGCGTTCCCTCCCTAGGGGCAGGTGGGAGACTCCCGAAGCCCC
TCCGGAGTCATGGACCCAGCTATGGTCTTCCGATTTGTGGTGAATGCTGCTGGCTATGCCAGCTTTAT
GGTACCTGGTACCTCCTGGTGCAGTACTTCAGGCGGAAGAACTACCTGGAGACCGGGCCCTCTGCTTT
CCCCTGGTAAAGCTTGTGTGTTGGCAATGAGCCCAAGGCCCTCTGATGAGGTTCCCTGGCGCCCCGA
ACAGAGGGCGCAGAGACCACCCGATGTGGCAGGCCCTGAAGCTGCTCTTCTGTGCCACAGGGCTCCAG
GTGCTTATCTGACTTGGGGTGTGCTGCAGGAAAGAGTGATGACCCGAGCTATGGGGCCACAGCCACA
TACCCGGGTGAGCGCTTTACGGACTCGCAGTTCCTGGTGCTAATGAACCGAGTGCTGGCACTGATTGTG
GCTGGCCCTCCTCTGTGTTCTCTGCAAGCAGCCCCGGCATGGGGCACCCATGTACCGTACTCCTTTGCC
AGCCTGTCCAATGTGCTTAGCAGCTGGTGCCAATACGAAGCTCTTAAGTTCGTCAGTTCGCCACCCAG
GTGCTGGCCAAGGCCCTAAGGTGATCCCTGTCATGCTGATGGGAAAGCTTGTGTCTCGGCGCAGCTAC
GAACACTGGGAGTACCTGACAGCCACCCTCATCTCCATTGGGGTCAAGTATGTTCTGCTATCCAGCGGA
CCAGAGCCCCGAGCTCCCAGCCACCACACTCTCAGGCCATCTTACTGGCAGGTTATATTGCTTTT
GACAGCTTCACTCAAAGTGGCAGGATGCCCTGTTTGCCTATAAGATGTCATCGGTGAGATGATGTTT
GGGGTCAATTTCTCCTGCCTCTTACAGTGGGCTCACTGCTAGAACAGGGGGCCCTACTGGAGGGA
ACCCGCTTCAATGGGGCGACACAGTGAAGTTGCTGCCATGCCCTGCTACTCTCCATCTGCTCCGATGT
GGCCAGCTCTTCACTTTTACACCATTGGGCAGTTTGGGGCTGCCGTCTTACCATCATCATGACCCCTC
CGCCAGGCCTTTGCCATCCTTCTTCTGCTTCTATGGCCACACTGTCACTGTGGTGGGAGGGCTG
GGGGTGGCTGTGGTCTTGTGCTGCCCTCCTGCTCAGAGTCTACGCGGGGGCCGTCTAAAGCAACGGGGA
AAGAAGGCTGTGCTGTTGAGTCTCCTGTGCAGAAAGTT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238164
 Blue=ORF Red=Cloning site Green=Tag(s)

MVGSGGAGCVPLPRGRWGDSPSPSGVMDPAMVLPICGECWLCQLYGTWLP PGAVLQAEELPGDRGLCF
 PLVKACVFGNEPKASDEVPLAPRTEAAETTPMWQALKLLFCATGLQVSYLTWGLQERVMTRSYGATAT
 SPGERFTDSQFLVLMNRVLAIVAGLSCVLCCKQPRHGAPMYRYSFASLSNVLSSWCQYEALKFVSFPTQ
 VLA KASKVIPVMLMGKLVSRRSYEHWEYL TATLISIGVSMFLLSSGPEPRSSPATTLSGLILLAGYIAF
 DSFTSNWQDALFAYKMSSVQMMFVGNFFSCLFTVGSLLLEQGALLEGTRFMGRHSEFAAHALLLSICSAC
 GQLFIFYTIGQFGAAVFTIIMTLRQAFAILLSCLLYGHTVTVVGGGLGVAVVFAALLLRVYARGRLKQRG
 KKAVPVESPVQKV
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001286509

ORF Size: 1281 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.

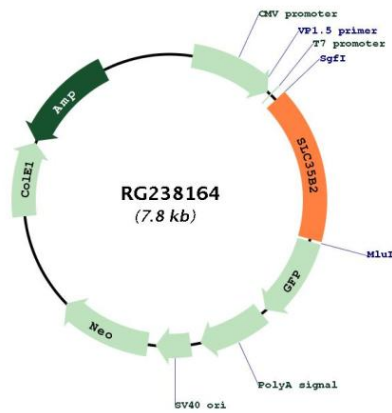
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001286509.2](#)

RefSeq Size: 2080 bp
RefSeq ORF: 1284 bp
Locus ID: 347734
UniProt ID: [Q8TB61](#)
Cytogenetics: 6p21.1
Protein Families: Druggable Genome, Transmembrane
MW: 46.8 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 RG238164