

Product datasheet for RC237874

SLC35B2 (NM_001286512) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC35B2 (NM_001286512) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SLC35B2
Synonyms: PAPST1; SLL; UGTrel4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237874 representing NM_001286512
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTACCTGGCTACCTCCTGGTGCAGTACTTCAGGCGGAAGAACTACCTGGAGACCGGTAGGGGCCTCT
 GCTTTCCCTGGTAAAGCTTGTGTGTTGGCAATGAGCCCAAGGCCTCTGATGAGGTTCCCTGGCGCC
 CCGAACAGAGGGCGCAGAGACCACCCCGATGTGGCAGGCCCTGAAGCTGCTCTTCTGTGCCACAGGGCTC
 CAGGTGCTTATCTGACTTGGGGTGTGCTGCAGGAAAGAGTGATGACCCGAGCTATGGGGCCACAGCCA
 CATCACCGGGTGAGCGCTTACGGACTCGCAGTTCCTGGTGTAAATGAACCGAGTGCTGGCACTGATTGT
 GGCTGGCCTCTCCTGTGTTCTCTGCAAGCAGCCCCGGCATGGGGCACCCATGTACCGGTACTCCTTTGCC
 AGCCTGTCCAATGTGCTTAGCAGCTGGTGCCAATACGAAGCTCTAAGTTCGTCAGCTTCCCCACCCAGG
 TGCTGGCCAAGGCCTCTAAGGTGATCCCTGTATGCTGATGGGAAAGCTTGTGTCTCGGCGCAGCTACGA
 AACTGGGAGTACCTGACAGCCACCCTCATCTCCATTGGGGTCAAGCATGTTTCTGCTATCCAGCGGACCA
 GAGCCCCGAGCTCCCCAGCCACCACACTCTCAGGCCTCATCTTACTGGCAGGTTATATTGCTTTTGACA
 GCTTCACCTCAAAGTGGCAGGATGCCCTGTTTGCCTATAAGATGTCATCGGTGCAGATGATGTTTGGGGT
 CAATTTCTTCTCCTGCCTCTTACAGTGGGCTCACTGCTAGAACAGGGGGCCCTACTGGAGGGAACCCGC
 TTCATGGGGCGACACAGTGAGTTTGGTGGCCATGCCCTGCTACTCTCATCTGCTCCGCATGTGGCCAGC
 TCTTCATCTTTTACACCATTTGGGAGTTTGGGGTGGCGTCTTACCATCATCATGACCCTCCGCCAGGC
 CTTTGCCATCCTTCTTCTGCTTCTCTATGGCCACACTGTCACTGTGGTGGGAGGGCTGGGGTGGCT
 GTGGTCTTTGCTGCCCTCCTGCTCAGAGTCTACGCGGGGGCCGTCTAAAGCAACGGGAAAGAAGGCTG
 TGCTGTTGAGTCTCCTGTGCAGAAGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237874 representing NM_001286512
Red=Cloning site Green=Tags(s)

MVPGYLLVQYFRRKNYLETGRGLCFPLVKACVFGNEPKASDEVPLAPRTEAAETPMWQALKLLFCATGL
 QVSYL TWGVLQERVMTRS YGATATSPGERFTDSQFLVLMNRV LALIVAGLSCVLCCKQPRHGAPMYRYSFA
 SL SNV LSSWCQYEAL KFVSFPTQVLAKASKVIPVMLMGKLVSRRSYEHWEYL TATLISIGVSMFLSSGP
 EPRSSPATTLSGL ILLAGYIAFDSFTSNWQDALFAYKMSSVQMMFGVNFFSCLFTVGSLLLEQGALLEGTR
 FMGRHSEFAAHALLLSICSACGQLFIFYTIGQFGAAVFTIIMTLRQAFAILLSCLLYGHTVTVVGGGLGVA
 VVFAALLLRVYARGRLKQRGKKA VPVESPQKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

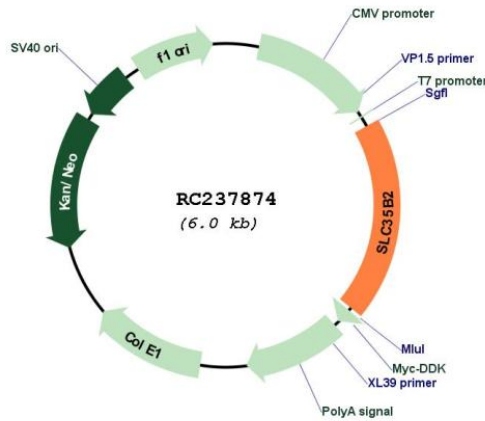
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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).
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_001286512.1 , NP_001273441.1
RefSeq Size:	2083 bp
RefSeq ORF:	1152 bp
Locus ID:	347734
UniProt ID:	Q8TB61
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]