

Product datasheet for **RR205552**

Slc35b1 (NM_199081) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc35b1 (NM_199081) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc35b1
Synonyms: UGTrel1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205552 representing NM_199081
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGCTAGCAGATCCCTGGTGCCCGACAGGCTGCGCCTACCACTCTGCTTCTGGGTGTCTTTGTCT
GCTACTTCTACTATGGGATCCTGCAGGAGAAGATAACAAGAGGAAAGTATGGAGAAGGACCCAAACAGGA
GACATTCACCTTTGCCTAACTTTGGTTTTTCATCCAGTGTGTGATCAATGCTATGTTTGCCAAGATCTTG
ATCCAGTTTTTTGACACTGCCAGGGTGGATCGCACTCGGACCTGGCTCTATGCTGCCTGCTCTGTCTCCT
ATGTGGGGCGCCATGGTCTCCAGCAACTCAGCACTACAGTTTTGTCAACTATCCAACCTCAGTCCTTGGTAA
ATCCTGCAAGCCAATCCCAGTTATGCTCCTCGGAGTGACCCTCTTGAAGAAGAAGTACCCATTGGCCAAG
TACCTGTGTGTGTGCTAATTGTGGCTGGCGTGGCTCTTTTCATGTATAAGCCCAAGAAGGTGGTTGGGA
TAGAAGAGCACACGGTCGGCTTTGGAGAGCTCCTTCTGCTCTTGTCTCTGACCCTGGATGGACTGACAGG
TGGTCCACGGTCTTGTCTCGGTGCTGGGATCCTGTTTACTGGGGAGCTCTGGGAGTTCTTGAGTTTCGCCG
AGAGTACCCGACCATCATCTATAACATCCTGCTTTTGGCTTGACCAGTGCCTTGGGTCAGAGCTTTAT
CTTCATGACAGTCGTGTACTTCGGCCCCCTGACCTGCTCCATCATCACCAGCACTCGGAAGTTCTTCACC
ATCTTGGCTTCTGTGATCCTCTTTGCCAATCCCATCAGCTCCATGCAGTGGGTGGGCACCGTCTGGTTT
TCCTGGTCTGGTCTTGATGCCAAGTTTGGAAAGGAACAAGAAGACCTCCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR20552 representing NM_199081
Red=Cloning site Green=Tags(s)

MAASRSLVPDRLRLPLCFLGVFVCYFYGILQEKITRGKYGEGPKQETTFALTLVFIQCVINAMFAKIL
 IQFFDTRVDRTRTWLYAACSVSYVGAMVSSNSALQFVNYPTQVLGKSCCKPIPVMLLGVTLKKKYPLAK
 YLCVLLIVAGVALFMYKPKKVVGIEEHTVGFGELELLLSLTLTGSLGVSQDHMRAHYQTGSNHMMLNINL
 WSTVLLGAGILFTGELWEFLSFAERYPTIIYNILLFGLTALGQSFIFMTVVYFGPLTCSIITTRKFFFT
 ILASVILFANPISSMQWVGTVLVFLGLGLDAKFGKGTKKTSH

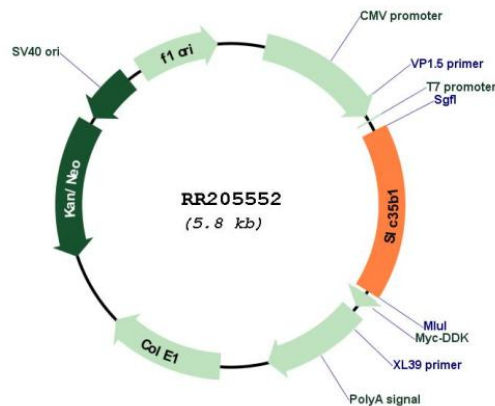
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_199081

ORF Size: 966 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_199081.1 , NP_954512.1
RefSeq Size:	1287 bp
RefSeq ORF:	969 bp
Locus ID:	287642
UniProt ID:	Q6V7K3
Cytogenetics:	10q26
MW:	35.8 kDa
Gene Summary:	Probable sugar transporter.[UniProtKB/Swiss-Prot Function]