

Product datasheet for **RR201733**

Slc2a7 (NM_001101020) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc2a7 (NM_001101020) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc2a7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR201733 representing NM_001101020
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGAGAACAAGAGGCGGGAACCCCTCCACCCATTCCATCCAGGAGGGGCGGCTCCAGCCGACGCTGT
 TGCTGGCGACACTGAGCGCGGCCTTTGGCTCAGCCTTCCAGTACGGCTACAACCTCTCTGTGGTCAACAC
 GCCGCACAAGGTCTTCAAGTCATTTTACAACGAAACCTACTTTGAGCGACACGCAACATTCATGGACGGG
 AAGCTCATGCTGCTTCTATGGTCTTGACCGTCTCCATGTTTCTCTGGGCGGCCTGTTGGGGTCATTGC
 TCGTGGGCTGCTGGTTGATAGCTGCGGCAGAAAGGGGACCTGCTGATCAACAACATCTTGGCATCAT
 CCCC GCCATCCTGATGGGAGTCAGCAAAGTGCCAAGGCTTTTGGAGTGATCGTCTTTCCCGAGTGGTG
 CTGGGAGTCTGTGACGGCATCTCTACAGCGCCCTTCCATGTACCTGGGAGAACTGGCCCCAAGAACC
 TGAGAGGCATGGTGGGAACAGTGACCGAGGTTTTCTGTCATCGTTGGAGTCTTCTAGCACAGATCTTCAG
 CCTCCAGGCCATCTTGGGCAACCGGCAGGCTGGCCGGTGCTTCTGGCGCTCACAGGGGTGCCGCCCTG
 CTGCAGCTGCTGACCCTGCCCTTCTTCCCGAAAGCCCCGCTACTCCCTGATTAGAAAGGAGATGAAG
 CCACAGCGCGACAAGCTCTGAGGAGGCTGAGAGGCCACACGGACATGGAGGCCGAGCTGGAGGACATGCG
 TCGGAGGCCCGGGCCGAGCGCGCCGAGGGCCACCTGTCTGTGCTGCACCTCTGTGCCCTGCGGTCCCTG
 CGTTGGCAGTCTCTCCATCATCGTGCTCATGGCCGGCCAGCAGCTGTGCGGCATCAATGCGGTCAACT
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 TGGCGTCGTCAACATAGTGATGACCATCACCTCGGCTGTCTTGTGGAGCGGCTGGGACGGCGGCACCTC
 CTGCTGGCCGGCTACGGCATCTGCGGCTCTGCCTGCTGCTGACGGTGGTGTCTATTCCAGAACA
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 GGAGACCAAGGGCAAAACATTTGTGGAGATAAACCGCATTTTGGCAAGAGAAACAGGGTGAAGCTTCCA
 GAGGAGAAAGAAGAAACCATTGATGCTGGGCTCCACAGCCTCTCTGCCAAGGAACTTCCTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201733 representing NM_001101020
 Red=Cloning site Green=Tags(s)

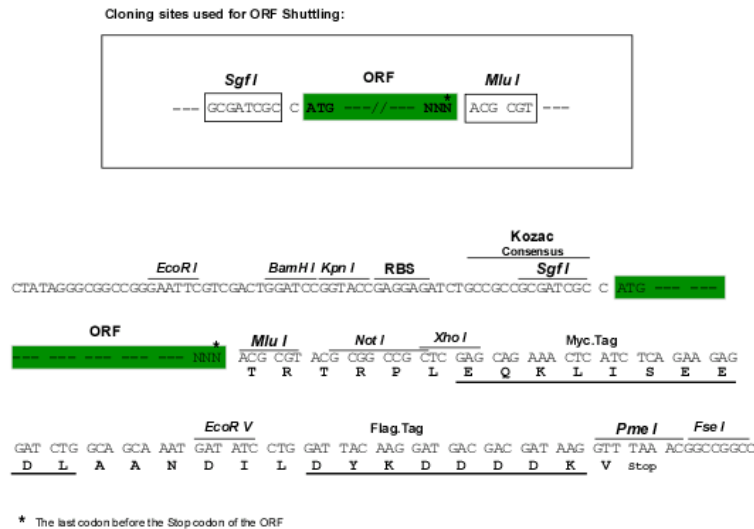
MENKEAGTPPPIPSREGRLQPTLLLATLSAAFSAFYGYNLSVVNTPHKVFKSFYNETYFERHATFMDG
 KLMLLLWSCTVSMFPLGGLLGSLLVGLLVDSGRKGTLLINNIFAIIPAILMGVSKVAKAFELIVFSRVV
 LGVCAGISYSALPMYLGELAPKNLRGMVGTVEVFVIVGVFLAQIFSLQAILGNPAGWPVLLALTGPVAL
 LQLLTLPPFPESPRYSLIQKGDEATARQALRRLRGHTDMEAELEDMRAEARAERAEGHLSVLHLCALRSL
 RWQLLSIIVLMAQQQLSGINAVNYYADTIYTSAGVEAAHSQYVTVGSGVNVIMTITSAVLVERLGRRHL
 LLAGYGICGSACLVLTVVLLFQNRVPELSYLGIIICVFAYIAGHSIGSPVPPVVRTEIFLQSSRRAAFMV
 DGAVHWLTFNFIIGFLFPSIQEAIGAYSFIIFAGICLLTAIYIYVVIPETKGKTFVEINRIFAKNRNVKLP
 EEKEETIDAGPPTASPAKETSF

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001101020

ORF Size: 1536 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:

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_001101020.1](#), [NP_001094490.1](#)

RefSeq Size: 1539 bp

RefSeq ORF: 1539 bp

Locus ID: 100362644

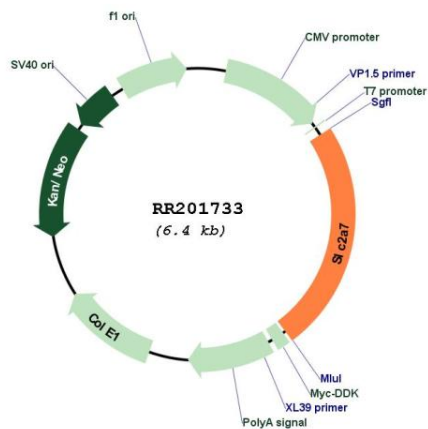
UniProt ID: [A4ZYQ5](#)

Cytogenetics: 5q36

MW: 55.7 kDa

Gene Summary: Probable sugar transporter. Its physiological substrate is subject to discussion. Does not transport galactose, 2-deoxy-d-glucose and xylose.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR201733