

Product datasheet for **RR215487**

Slc17a3 (NM_153622) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc17a3 (NM_153622) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc17a3
Synonyms:	Rnpt4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR215487 representing NM_153622
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCCACAATGGTAGAACTGAGCCCTACAAGTGAGCAGTGTGAGTTTGTCTAGGTCTGCCAGTGAATA
 AGAAGACCCCTCCCGGAAAGTCCCGAGTTTATGTTCCATGCGCTATTCAATAGCCTTCATCGCACATAT
 CTGCAACTTCACATTGATAGCACAGAATTCATCATAAGCATCACCATGGTAGCCATGGTCAACAACACG
 GACCAGCCATCCCACCTCAATAGCTCTACTGAATGGTTTCTGATGGTTTAAACGGTGATCAACATGAAG
 CTTCAAAGCATCTTTCTATAAAGGCCCTGTGTATAACTGGAGTCTCAAACCAAGGAATCATCTTCAG
 CTCTGTCCAGTATGGCATGATGCTGATGCAGGGTCTGGCGGATACTGGCAGGGAAATTAGGAACAAAG
 AAAGTGGTTGGAATTGCTCTGTTGGGATCGTCACTGCTACTCTGTCATCCCCTGGCTGCCAATCTTG
 GACTAGCTTTTCTCTGGCAACTCGAGCAGTTCAGGGCTTAACCCAGGGCGCTGGATATGGGGACAGTT
 TGCCTCTGGCAGAAGTGGGCTCTCAAATGAACGCAGCCGACTCTGCAGCATTGCCATGTCAGGAATG
 ATATTGGGAATCTTTGCTGTGCTCCTTGTGGGCGGCATCATTAGTGAAGCCCTCGGGTGGCCCTTTGTCT
 TTTATATCTTTGGAAGTATTGGTGTGGTCTGCTGCCTTCTCTGGCTCATTCTGGTTTATGATGACCCGT
 CTCTCACCCATGGATAAGTAGCCAGAAAAGGAGTATATTTTATCCTCCCTGGACCAACAGTTCAACTCA
 GAAGAGCAACCACTTCCCATCAAAGCTATGCTCAAATCTCTGCCTCTCTGGTCCATGTGTCTTTGCAGTA
 TGACCCATCAGTGGCTTGTAAACACCCTTATAATATACTCCAACCTACATCAGTTCTGTGTTCAAAGT
 TAACATCAGAGATAATGGGCTCCTGTCTTCTCTCCCTTTTTTGTGCTGGGTCATTGGTATCCTGGGA
 GGCCTGCTGGCAGATTTCTACTAAGCAAGAATTTAGGCTCATAACTGTGAGAAAAATCATCACAATCT
 TAGGAAATACTCCCCCTGCTGCCCTTGTGTGGCTCTGCCCTATGTCCAATCCAGCTATATTGCAACAAC
 TACATTTCTGACCCCTTCTGTGGACTAAGCCCTCTATGTCAGTCAGGAGTCTATATTAATGATTAGAT
 ATTGCTCCAAGGTATGCCAGCCTTCTCATGGGAACATCAAGAGGGCTCGCACATTCATCTGCTGTATGG
 TACCCATTGTTGCTGGCTTTTCTCAATCAGGACTCTGAATTCGGGTGGAGGAATTTCTTTTTTGTCT
 ATTTGCGATTAACCTATTTGGCTTAATCATCTACCTCGTGTGGCGAAAGCAGATATCCAAGATGGGCT
 AGAGAGAGGAAGCTCACCCGTTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215487 representing NM_153622
 Red=Cloning site Green=Tags(s)

MATMVELSPTSEQCEFVLGLPVNKKTPPRKVPVSLCSMRYSIAFIAHICNFTLIAQNSIISITMVMVNNT
 DQPShLNSSTEWFPDGLNGDQHEASKHLSIKAPVYNWSPQTQGIIFSSVQYGMMLMQPGGYLAGKLGTK
 KVVGIALLGSSLLTLCIPLAANLGLAFLLATRAVQGLTQAGYGGQFALWQKWAPPNERSRLCSIAMSGM
 ILGIFAVLLVGGIISEALGWPFVYIFGSIQVVCLLWLILVYDDPVSHPWISSPEKEYILSSLDQQFNS
 EEQPLPIKAMKSLPLWSMCLCSMTHQWLNTLIYTPYISSVFKVNIIRDNGLSSLPFFVAWVIGILG
 GLLADFLLSKNFRLITVRKIITILGNTPPAALVVALPYVQSSYIATTTFLTLSCGLSPLCQSGVYINALD
 IAPRYASLLMGTSRGLAHSSAVMVIIVAGFFLNQSEFGWRNFFVLFAINLFGLIYLVFAKADIQEWA
 RERKLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

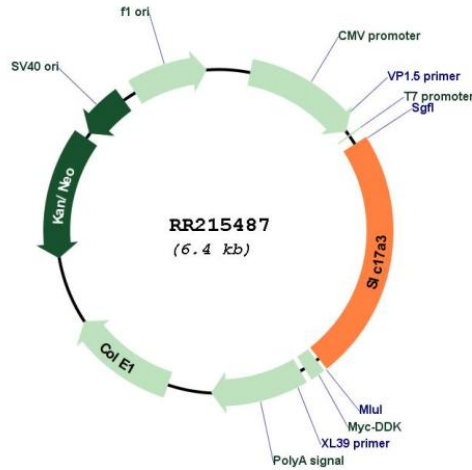
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_153622

ORF Size: 1494 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_153622.2](#), [NP_705886.1](#)

RefSeq Size: 2292 bp

RefSeq ORF: 1497 bp

Locus ID: 266730

Cytogenetics: 17p11

MW: 54.6 kDa