

Product datasheet for **RR212266**

Slc24a5 (NM_001107769) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc24a5 (NM_001107769) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc24a5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212266 representing NM_001107769
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCATGGCGGTCTCTATCGTCTGTGACAAGTACTTCTGCCCTCCCTGGAAATCATCAGTGACTCCC
TTGGACTGTCGAGGATGTTGCAGGTGCGACTTTCATGGCAGCAGGTAGCTCGGCCCTGAACTAGTCAC
CGCCTTCTGGGTATTTATCACAAAGGGAGATATTGGTATCAGCACCACTTAGGATCTGCAATTTAT
AATCTCCTCGGCATCTGTGCTGCCTGCGCCTCCTCTCCAACATGGTTTCAACGCTCTCGTGTGGCCCC
TGTTCCGTGATTGTGCTGTGTATGCAGTTAGTGTGGGAGCAGTTTTTGGCATAATATTTGACAACCGAGT
TACTGGTACGAAGGAGCACTGCTGCTGCTGATACGGGCTGTATGTCCTGCTGCTGTGTTTTGCACT
ACGATCAGTCGATATGTCACGAAAACATGCAGGCCCTGTTGTCCCTGCCTTGCCAAAGCCATGGAGGAGA
GAAGTGAACAGCAGCACTGCTGGGGTGGGAGAATGAGAGCCAAATCTACATTCTGCGCCAGTCAAGGAC
TGACAGCGGGATATTTAGGAAGATTCTGGTACTCCAACCTTCTCTAAGTTTACATGGTCTTAGTCAG
GTTTCTGAAGGGAAACACTAGGAATCCCAGACACAGTATGGCCTTACTTTGTTGGCAGCAGGGACCA
GCATACCAGACACAGTCGCGAGTGTGTTAGTTGCAAGAAAAGGTAAGGAGACATGGCTATATCTAACAT
CGTGGGATCCAATGTGTTTGATATGCTATGCCTTGGTCTTCCCTGGTTTATTAAGACTGCATTTACGAAT
GCATCTGCTCCTATAGAAGTGAACAGCAAGGGACTCACTTATATAACCATCTCTCAACATTTCAATCT
TTCTTCTGTTCTTAGCGTTTCAATTTAACGGCTGGAACTAGACCAGAAAGTTGGGGGTGGTCTGCCTAGT
GTCATACTTAGACTTGCTACTTTATCAGTACTATGAAGTGGAAATCATTGGAATAACAGAGTAAGG
GGCTGTGGAATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212266 representing NM_001107769
 Red=Cloning site Green=Tags(s)

MFMVAVSIVCDKYFLPSLEIISDSLGLSQDVAGATFMAAGSSAPELVTAFLGVFITKGDIGISTILGSAIY
 NLLGICAAACGLLSNMVSTLSCWPLFRDCAVYAVSVGAVFGIIFDNRVYWYEGALLLIYGLYVLLLCFDT
 TISRYVTKTCRPCCPLAKAMEERSEQQTLLGWENESQIYIRRQSRDTSQIFQEDSGYSQLSLHGLSQ
 VSEGETLGIPTVMGLTLAAGTSIPDTVASVLVARKGKGDMAISNIVGSNVFDMCLCLGLPWFIKTAFTN
 ASAPIEVNSKGLTYITISLNISIFLLFLAVHFNWKLDRKLVVCLVSYLGLATLSVLYELGIIGNNRVR
 GCGI

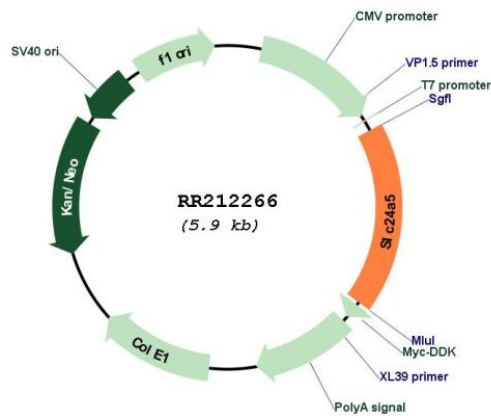
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107769

ORF Size:	1062 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_001107769.1 , NP_001101239.1
RefSeq Size:	1635 bp
RefSeq ORF:	1065 bp
Locus ID:	311387
Cytogenetics:	3q36
MW:	38.1 kDa