

## Product datasheet for RR202366

### Slc24a4 (NM\_001108051) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc24a4 (NM_001108051) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc24a4
Synonyms:	Nckx4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202366 representing NM_001108051 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTCTACGCCCTGGCCATCGTGTGTGATGACTTCTTTGTCCCATCCCTAGAGAAGATCTGTGAGAAAC  
TTCATCTGAGTGAAGATGTGGCGGTGCCACCTTCATGGCTGCAGGAAGCTCGACACCAGAGCTGTTTGC  
TTCTGTCAATTGGTGTTCATCACCCATGGAGATGTCGGTGTAGGAACGATTGTGGGCTCAGCTGTGTTT  
AACATCCTATGTATCATTGGAGTGTGTGGACTCTTTGCTGGACAGGTGGTGGGTTGACGTGGTGGGCTG  
TGTGCCGTGACTCTGTGTACTACACTCTCTGTATCGTACTCATTGCGTTCATATACGATGAGGAAAT  
TGTGTGGTACAATATGAAGATGCAGACGTTTTTCAACCAAAACAAAAGAGCATTGCAAATGGTAACCCA  
GTCAGCAACGAGCTGGAAGATGGTAATGACCTCTATGATGGTAGCTTTGATGACCCATCTGTGCCATTGC  
TGGGGCAAGAGGCAAAAGGCGACAAGGCTAAGTGGGTGTTCACTTGGCCCTCATCTTCCCTCTGTGCGT  
CACCATCCCCAACTGCAGCAAGCCTCGCTGGGAGAAGTTCTTCATGGTCACCTTCATCACGGCCACTCTG  
TGGATCGCGGTGTTCTCCTACCTCATGGTGTGGCTGGTACTATTATTGGATACACACTTGGGATCCCTG  
ATGTCATCATGGGCATCACTTTCTGGCAGCAGGACGAGTGTCCAGACTGCATGGCCAGCTTAATTGT  
GGCGAGACAAGGCTTGGCGACATGGCAGTCTCTAACACCATCGGAAGCAACGTGTTTGACATCCTGGTG  
GGGCTTGGCATCCCATGGGCTGCAGACCATGGTTATTAATTATGGATCCACAGTGAAGATCAACAGCC  
GGGGGCTGGTCTATTCCGTGGTGTCTGCTGGGCTCTGTGGCTCTCACTGTCTTGGCATCCACCTCAA  
CAAATGGCGCCTGGACAGGAAGCTGGGCATCTACGTGCTGGTCTCTATGCCGTCTTTCTGTGCTTCTCA  
ATAATGATAGAGTTTAACGTCTTACCTTCGTCACACTGCCATGTGCAGAGAAGACGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAAGTTTAA



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**Protein Sequence:** >RR202366 representing NM\_001108051  
 Red=Cloning site Green=Tags(s)

MFYALAIVCDDFFVPSLEKICEKLHLSADVAGATFMAAGSSTPELFAVIGVFITHGDVGVGTIVGSAVF  
 NILCIIGVCGLFAGQVRLTWWAVCRDSVYYTLSVIVLIAFIYDEEIVWYNMKNQTFFTTKQKSIANGNP  
 VSNELEDGNDLYDGSFDDPSVPLLGQEAKGDKAKWVFTWPLIFLLCVTIPNCSKPRWEKFFMVTFITATL  
 WIAVFSYLMVWLVTIIGYTLGIPDVIMGITFLAAGTSVPDCMASLIVARQLGDMAVSNTIGSNVFDILV  
 GLGIPWGLQTMVINYGSTVKINSRGLVYSVLLLSVALTVLGIHLNKWRLDRKLGIVLVLYAVFLCFS  
 IMIEFNVFTFVNLPMDREDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

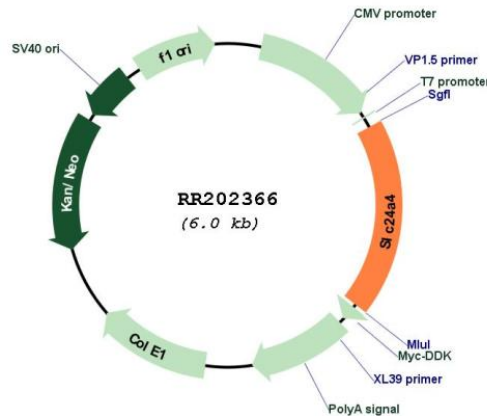
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001108051

<b>ORF Size:</b>	1110 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001108051.1</a> , <a href="#">NP_001101521.1</a>
<b>RefSeq Size:</b>	2295 bp
<b>RefSeq ORF:</b>	1113 bp
<b>Locus ID:</b>	314396
<b>Cytogenetics:</b>	6q32
<b>MW:</b>	40.8 kDa