

Product datasheet for **RR201774**

Slc2a12 (NM_001107451) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc2a12 (NM_001107451) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc2a12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR201774 representing NM_001107451
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTACCTGTTGAAAACACAGAGGGCCCAATCTGCTGAACCAGAAGGGGAGAGAGCGGAGACCGACG
 GCAGCTGTGGAGCCAGTGGCGGCCGCATCCTGCCTGCGCGGGAGGTCCCGGCATGTTTACATCTTGAC
 ATCTGTTACCGCAGCCATCAGCGGCCTCCTGGTGGTTATGAACTTGGGCTCATCTCTGGGGCTCTTCTG
 CAGATCAGAACTCTTAGCCCTGACCTGCCATGAGCAGGAAATGGTTGTGAGCTCCCTCCTCATCGGGG
 CATTCTCGCCTCTCACCGGAGGCGTCTGATAGACAGGTACGGAAGAAGGCTCACCATAATCCTGTC
 GTCCTGTCTCCTAGGACTCGGAAGCTTAGTCTTGATACTGAGCTTGTCTACACACTTCTATCACGGGA
 CGTGTGTCTATAGGGTTCCATCTCCCTGTCTCCATTGCCACATGTGTGTATATTGCAGAGATTGCC
 CCCAACACAGAAGAGGACTTCTGTGTCGCTGAACGAGCTGATGATTGTCACAGGTATCCTCTTTGCCTA
 TATTTCAAATTACGATTCCGCAACATCTCCAATGGTTGGAAGTACATGTTTGGCCTCGTGATCCCTG
 GGTGTTCTGCAAGCAATTGCTATGACTTTCTTCTCCAAGTCCCTCGTTTCTGGTGATGAAGGGACAAG
 AGGAGGCTGCGGGCAAAGTCTCAGGAAGCTAAGAGTGATCTCAGACACTGCTGAAGAACTCACTTTGAT
 CAAATCTTCTTGAAAGATGAGTATCAGTATAGTTTTTGGGATCTGTTTCGCTCCAAGGACAACATGAGG
 ACCAGAATCCTGATAGGTCTGACACTAGTATTTTTGTCCAAACCACCGCCAACCAAACATACTGTTCT
 ACGCATCGACTGTCTGAAGTCTGTTGGCTCCAGAGCAACGAGGCAGCTAGCCTTGCCCTCCACAGGGGT
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 CTCTGCATCGGCTCCTCTGTGATGGCTGCTTACTGTTGACCATGGCATTGTGAATCTCAACATCAACA
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 CTCAGTGAGATCTTCCCGTGAATTAGAGGCCGTGCCATGGCCCTGACTTCTAGCATGAACTGGGGGA
 TCAACCTTCTCATCTCCTTGACATTTCTGACGGTACTGATCTTATTGGCTTGTGCTGGGTTTGTCTCAT
 ATACACAGTCATGAGTCTGACATCCCTGGCTTTTGTGTTCTGTTTATACCCGAGACAAAGGATGCTCT
 TTGGAACAGATATCAATGGAGCTGTGAAGGCCAACTATGTGAAAAACAACATTTGTTTTATGAGTCATC
 ACCAAGAAGAATTAGTGCCAACACAGCTTCAAAAAACAAGCCCCAGGAGCAGCTCCAGAGTGTAAAGAA
 GCTGTGTGGTAGGGACAGTCACAGCGGCCCTCGCCAGAGACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201774 representing NM_001107451
 Red=Cloning site Green=Tags(s)

MVPVENTEGPNLLNQKGREAETDGSCGASGRHPACAGGPMFTFLT SVTAAISGLLVGYELGLISGALL
 QIRTLALTCHEQEMVVSLLIGAFSLTGGVLIDRYGRRLLIILSSCLLGLGSLVILSLSYLLITG
 RVAIGVSISSSIATCVYIAEIAIQHRRLLVSLNELMIVTGILFAYISNYAFANISNGWKYMFGLVIPL
 GVLQAIAMYFLPPSPRFLVMKGGQEEAAGKVLRLRVIDTAEELTLIKSSLKDEYQYSFWDLFRSKDNMR
 TRILIGLTLVFFVQTGQPNILFYASTVLKSVGFQSNAAASLASTGVGKVVVSTIPATLLVDHVGSKTF
 LCIGSSVMAASLLTMGIVNLINMFTNICRSHSPLNQSLEELVFYATGNLSVSNSSLGHEHLKRVTPYSK
 GLFIPLNGMEPKGEMAF TSLPNAGLSRTDRQGVTDPAVVPVAVYKWL SLASLLVYVAAF SIGLGPMPWL V
 LSEIFPGGIRGRAMALTSSMNWGINLLISLTFITVTDLIGLSWVCFIYTVMSLTSLAFVFLFIPETKGC
 LEQISMELSKANYVKNNICFMSHHQEELVPTQLQKTKPQEQLECKKLCGRGQSQRPSPET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

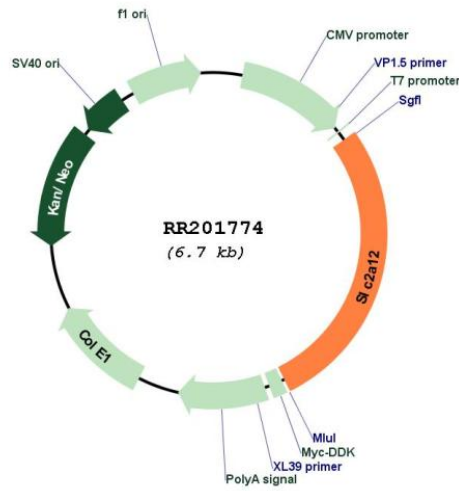
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107451

ORF Size: 1863 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_001107451.1 , NP_001100921.1
RefSeq Size:	4118 bp
RefSeq ORF:	1866 bp
Locus ID:	308028
Cytogenetics:	1p12
MW:	67 kDa