

Product datasheet for **RR209899**

Slc30a4 (NM_172066) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc30a4 (NM_172066) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc30a4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209899 representing NM_172066
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGCCGGCCCCGGCGCGTGAAGCGCCTCAAATCCCTGCTGAGGAAAGACGACGCNCCGCTGTTCTTAA
ATGACACCAGCGCCTTCGACTTCTTGGACGAGGTGAGCGACGAGGGGCTTTCGCGCTTAAATAAACTTCG
AGTCGTGGTGGCCGACGATGACTCGGAAGCCCCGAAAGGCCTGTGAACGGGGCGCACCCGGCCCTCCAG
GCCGACGATGACTCCTTATTGGACCAGGAATTACCTTTGACCAACAGTCAGTTGAGTTTGAAGATGGACC
CCTGTGACAACTGCAGCAAACGGCGCGAGTTGCTGAAGCAGAGGAAGGTGAAGACCAGGCTGACCATCGC
TGCCGCTCCTACTTGCTTTTCATGATCGGAGAGCTTGTAGGTGGATACATGGCAAATAGCTTAGCAATA
ATGACAGATGCACTTCATATGCTAACTGACCTTAGTGCCATCATACTCACTCTTCTTGCTTTGTGGCTGT
CTTCAAAGTCACCAACCAGAAGATTCACCTTTGGATTTTCATCGCCTAGAGGTTCTGTGGCCATGATCAG
TGTCATGCTGGTGTATGTAATTTGGGATTCCTTTATACGAGGCTATGCAGAGAACCATCCATATGAAC
TATGAAATCAATGGCGATGTCATGCTCATCACTGCAGCTGTTGGAGTTCAGTTAATGTGATAATGGGT
TTCTATTGAACCAGTCCGGTCACCACCTTCTCACGCTCATTCCCACTCCCTACCTCAAATTCTCCGAG
CATGGTATCTAGTGGACACAGCCATGGGACGAGACGCTTGGCCGTGAGAGCTGCATTTGTACACGCCCTG
GGGATTTGGTACAAAGTGTGGTGTGCTTATAGCTGCATACATACATACGATTCAAGCCAGAATACAAGA
TTGCTGACCCCATCTGTACGTATATATTTTCACTTGTGGCATTACAAACGCTCCGCATTATATGGGA
CACAGTAGTGATAACTGGAAGGTGTACCGAGCCATTTGAATGTAGACTATATCAAAGAGTCGTTGATG
AAGATAGAAGATGATATTTCTGTGGAAGATTTGAATATCTGGTCTCTCACTTCTGGAAAAGCCACTGCCA
TAGTGACATGCAGCTAATCCCGAAGTTCATCAAAAATGGGAGGAAGTGCAGTCGAAAGCTAAGCACCT
CTTGCTGAACACATTCGGCATGTACAAGTGCAGCTGTTGAGCTCCAGAGCTACAGACAGGAAGCCACCAGA
ACTTGTGCAAATGTCAAAGTTCCAGTACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209899 representing NM_172066
Red=Cloning site Green=Tags(s)

MAGPGAWKRLKSLLRKDDXPLFLNDTSAFDFLDEVSDEGLSRFNKLRVVVADDDSEAPERPVNGAHPALQ
 ADDDSLDDQELPLTNSQLSLKMDPCDNC SKRRELLKQRKVKTRLTIAAVLYLLFMIGELVGGYMANSLAI
 MTDALHMLTDL SAIIL TLLALWLSKSPTRRF TFGFHRLEVL SAMISVMLVYVLMGFLL YEAMQRTIHMN
 YEINGDVMLITAAVGVAVNVIMGFLLNQSGHHHSHAHSHSLPSNSPSMVSSGHSHGQDSLAVRAAFVHAL
 GDLVQSVGLIAAYIIRFKPEYKIADPICTYIFSLLVAF TLR I IWDTVV I ILEGVPSHLNVDYIKESLM
 KIEDVYSVEDLNIWLSLTSKATAIVHMLIPGSSSKWEEVQSKAKHLLLNNTFGMYKCTVQLQSYRQEATR
 TCANCQSSST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

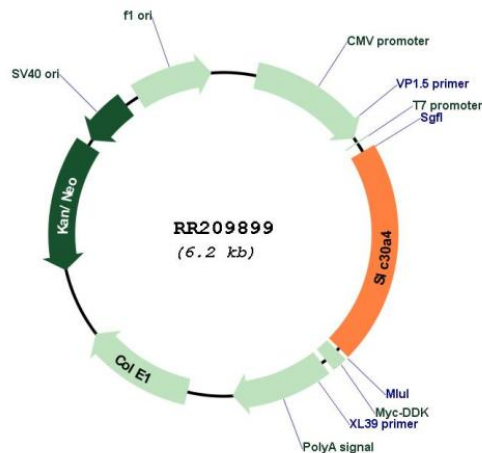
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_172066
ORF Size:	1290 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_172066.1 , NP_742063.1
RefSeq Size:	5420 bp
RefSeq ORF:	1293 bp
Locus ID:	64469
UniProt ID:	O55174
Cytogenetics:	3q35
MW:	47.8 kDa
Gene Summary:	zinc transporter; involved in sequestration of zinc into endosomal/lysosomal compartments and synaptic vesicles [RGD, Feb 2006]