

Product datasheet for **RR215393**

Slc30a10 (NM_001105985) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc30a10 (NM_001105985) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc30a10
Synonyms:	RGD1305098
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR215393 representing NM_001105985
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCGTTATTCGGGCAAGACCTGTCGGCTGCTGTTTCATGCTGGTGCTCACCGCGCCTTCTTCGTGG
 CCGAACTGGTGTGGGTTACCTGGGCAACTCCATCGCGCTGCTCTCGACTCGTTCAACATGCTGTCTGA
 TCTGATCTCGCTGTGCGTGGGCCTGGGCTCCGGTACATCGCGGACGCGGTCCCGCGGCTCCAGCGCC
 ACCTACGGCTATGTGCGGGCGGAGGTGGTGGGCGCGCTCAGCAACGCAGTCTTCTCACCGCGCTGCT
 TTACCATCTTCGTGGAGGCCGTGTGGCGCTCGCGCGGCCGAGCGCATCGACGACCCGGAGCTGGTACT
 CATCGTGGGCGCCCTGGGCTGGCAGTCAACGTGGTGGGCTGCTCATCTTCCAGGACTGCGGCGCCTGC
 TTCTCCCGCTGCACGCGGGTACCGGACCCGCCCTTCGACGCCCGCGCCAGGGGGACTGGTGGCG
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 GGCTCGGCCGGAAGAAAGCAGCAGGAGGGCGCGAGGTGTTCTCGAATGTAGCAGTGATTCCCTGAAC
 ACCCAGAATGAACCAGAAGAGACAACAAAAAGGAGAAGAAGTCTGAAGCACTGAATATCAGAGGTGTC
 TTTTGCATGTGATGGGAGATGCCCTGGGTCCGTGATTGTGGTGTACAGCCATCATATTTCTATGTTCCG
 TCCCTGAGACATGAAGACCCGTGTAACGGCAATGCTACATTGACCCAGTTTACTGTTGTCATGGTC
 ATCATTATCTTATCATCAGCCTTCCACTCATCAAGGAGACTGCTGTCATCCTGCTGCAGATGGTCCCA
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 TACCAGGATGCCAGCAGAAAAGTCCGCGAGATCTCCACCATGCAGGAATCCACAACGTGACCATCCAGT
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 AACAGCACTCATTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>RR215393 representing NM_001105985
 Red=Cloning site Green=Tags(s)

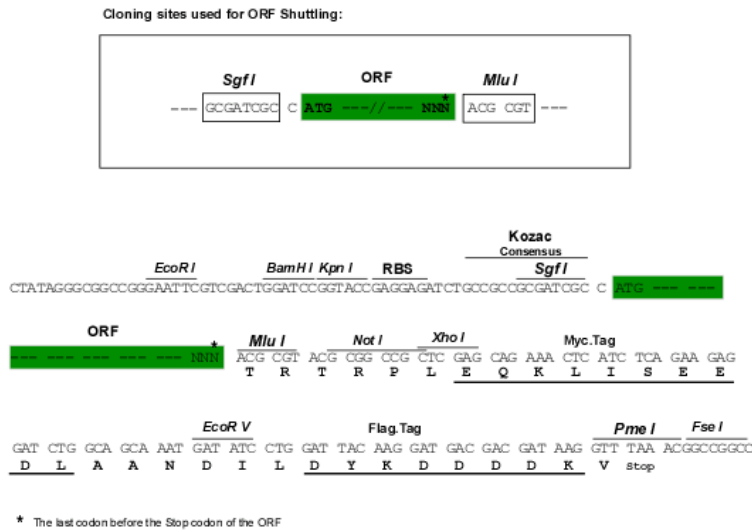
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 TYGYVRAEVVVALSNAVFLTALCFITFVEAVLRLARPERIDDPVLIVGALGLAVNVVGLLIFQDCGAC
 FSRCTRGRHRTRPSQPPRQDGTGGALGCPREAAATDTPGSDSAVTLRGASAGRKQEGATVFSNVAGDSL
 TQNEPEETTKKKEKSEALNIRGVLLHVMGDALGSVIVVTAIIFVYRPLRHEDPCNWQCYIDPSLTVVMV
 I I I L S S A F P L I K E T A V I L L Q M V P K G V N M E E L M S Q L S M V P G V S S V H E V H I W E L I S G K V I A T L H I K H Q E G T E
 YQDASRKVREIFHHAGIHNVTIQFETLDLKEALEQKDFLPTCSAPCISQSCAKKLCPPGTLPLALVNGC
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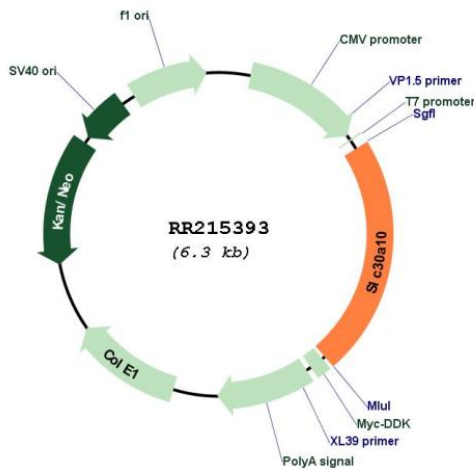
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001105985

ORF Size:

1416 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_001105985.1](#), [NP_001099455.1](#)

RefSeq Size: 2243 bp

RefSeq ORF: 1419 bp

Locus ID: 289353

Cytogenetics: 13q26

MW: 51 kDa