

Product datasheet for **RR211546**

Slc30a3 (NM_001013243) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc30a3 (NM_001013243) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc30a3
Synonyms: ZnT3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR211546 representing NM_001013243
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAACCTTCTCCGGCCAGCGGAGGCTCGGAGACCACCCGCCTAGTGAGTCCCCGAGACCCGAGCAGCG
 CCGGCGCGGCCCTGCGATTGAAGAGTCTTTTACAGAGCCCTCAGAGCCCTGCCGGAGGGGCCAAAGCT
 TGAGGGGATGGCCTTCCACCCTGCCACAAGAACCGCGTGTCTCAGTCAGGCCTCTCTCCAGAGAGGGCG
 CAGGCCCGGAGGCAGCTGTATGCTGCCTCGCTCGTGTGCTTCATCTTCATGGCTGGGAGGTGGTTGGT
 GGTATTTAGCACACAGCTTGCCATCATGACCGACGCCGCCACTTGCTGGCAGACATAGGCAGTATGAT
 GGCCAGCCTCTTTCCCTCTGGCTCTACTCGGCCAGCCACCCGCACCATGACCTTTGGCTGGCACCGC
 TCAGAGACTCTGGGAGCTTTGGCCTCCGTGGTCTCCCTCTGGATAGTCACCGGCATCCTCCTGTACCTGG
 CCTTCTCCGCTGCTTACAGTGACTACCACATTGAGGCGGGCGCCATGCTGCTGACTGCCAGCATTGC
 TGTCTGTGCCAATGATAATGGCCTTTGTGCTGCACCAGACTGGAGCCCCACAGCCACGGACCTAGG
 GGTGCAGAGTATGCACCACTGGAGGAGGGGACGGCACCCACTGTCCCTGGGAAACACCAAGTGTCCGG
 CTGCCCTTGTGCATGTGCTGGGAGATCTCCTTCAGAGCCTCGGGTCTGGCCGCTCTATCCTCATCTA
 CTTCAAGCCCCAGTACAAGGTGGCCGACCCCATCAGCACCTTCTCTTCTATCTGCGCCCTTGGGTCC
 ACAGCTCTACACTTCGAGATGTTCTCCTCGTCTCATGGAAGGTGCCCTCGGAGTGTGGAATTTGAGC
 CTGTAAGGGACACCTTGTGTGAGTCCCGGGTGTCCGAGCCACCCATGATCTCCACCTGTGGGCGCTGAC
 GCTTACTTACCACGTTGCCTCCGCACACCTGGCTATTGACTCCACGGCTGACCCTGAAGCCATCCTGGCT
 GAAGCCTCATCCCGGCTCTATTCCCGTTTGGATTCTCTAGCTGCACCCTGCAGGTGGAGAAATACCGGT
 CTGAGATGGCCACTGTCTTCGCTGCCGGAGCCCCCAAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211546 representing NM_001013243
 Red=Cloning site Green=Tags(s)

MEPSPASGGSETTRLVSPRDRSSAGGLRLKSLFTEPSEPLPEGPKLEGMAFHCHKNRVSQSGLSPERA
 QARRQLYAACVVCFFIMAGEVVGGLAHLAIMTDAHLLADIGSMASLFLWLSTRPATRTMTFGWHR
 SETLGALASVVSLLWIVTGILLYLAFRLRLHSDYHIEAGAMLLTASIAVCANMIMAFVLHQTGAPHSHPGR
 GA EYAPLEEGHGHPLSLGNTSVRAAFVHVLGDLQLSLGVLAAASILYFKPQYKVADPISTFLFSICALGS
 TAPTLRDVLLVLMGAPRSVEFEPVRDTLLSVPGVRATHDLHLWALTLYHVASAHLAIDSTADPEAILA
 EASSRLYSRFGFSSCTLQVEKYRSEMAHCLRCREPPKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001013243

ORF Size: 1164 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_001013243.1](#), [NP_001013261.1](#)

RefSeq Size: 1690 bp

RefSeq ORF: 1167 bp

Locus ID: 366568

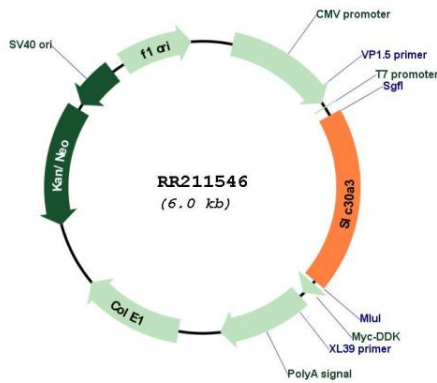
UniProt ID: [Q6QIX3](#)

Cytogenetics: 6q14

MW: 41.9 kDa

Gene Summary: Involved in accumulation of zinc in synaptic vesicles.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR211546