

Product datasheet for MR206067

Slc30a3 (NM_011773) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc30a3 (NM_011773) Mouse 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:	>MR206067 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCCTTCTCTGGCCACCGGAGGCTCGGAGACCACCCGCCTAGTGAGTGCCCGAGACCCGAGCAGCG
CTGGCGCGGCCCTGCGATTGAAGAGTCTTTTACAGAGCCCTCAGAGCCCTGCCTGAGGAGCCCAAGCT
TGAGGGGATGGCCTTCCACCCTGCCACAAGGACCCCGTGCCTCAGTCAGGCCTCTCTCCAGAGAGGGTG
CAAGCCCGGAGGCAGCTGTATGCCGCTGCGCTGTGTGCTTCATCTTCATGGCCGGGAGGTGGTTGGT
GGTATTTAGCACACAGCTTGCCATCATGACTGATGCCGCCACTTGCTAGCAGACATAGGCAGCATGTT
GGCCAGCCTCTTTCCCTCTGGCTTCCACTCGGCCAGCCACCCGACCATGACCTTTGGCTGGCACCCG
TCAGAGACTCTGGGAGCTTTGGCCTCTGTGGTCTCCCTCTGGATAGTCACTGGCATCCTCCTGTACCTGG
CCTTCTCCCGCTGCTTCATAGTGACTATCACATTGAGCGGGTGCCATGCTGCTGACTGCCAGCATCGC
TGTCTGTGCCAATCTGCTAATGGCCTTTGTGCTGCACCAGACTGGAGCCCCACAGCCATGGATCTACA
GGTGCAGAGTATGCACCTTAGAGGAAGGGCATGGATACCAATGTCCCTGGGAAACACGAGTGTCCGGG
CTGCCTTTGTGCATGTGCTGGGAGACCTCCTTCAGAGCTTTGGGGTCTGGCAGCCTCGATCCTCATCTA
CTTCAGGCCTCAGTACAAGGTAGCTGACCCATCAGCACCTTCTCTTCCATCTGCGCCCTTGGGTCC
ACAGTCCCACACTTCGAGATGTTCTCCTTGCTCATGGAAGGGGCCCTCGGAGTGTGGAAATTTGAAC
CCGTAAGGGACACCTTGTGTCGGTCCCGGAGTCCGAGCAACCATGATCTCCATCTGTGGCCCTGAC
GCTTACTTACCACGTTGCCTCTGCACACCTGGCTATTGACTCCACGGCTGACCCTGAAGCTGTCTGGCT
GAAGCCTCATCCCGCTCTATTCCCGTTTGGATTCTCCAGCTGCACCCTGCAGGTGGAGCAATACCAGC
CTGAGATGGCCAGTGTCTGCGCTGCCAGGAGCCCTCCCAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206067 protein sequence
 Red=Cloning site Green=Tags(s)

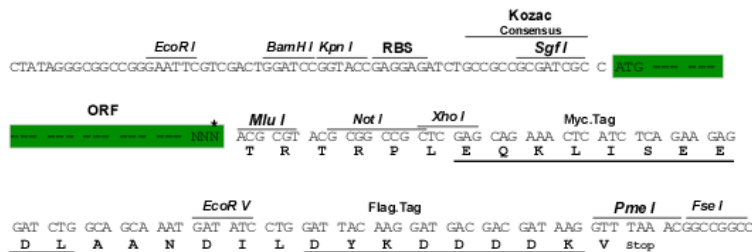
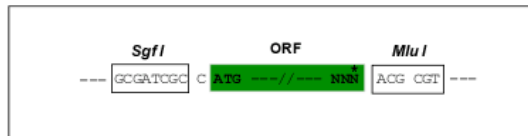
MEPSLATGGSETTRLVSARDRSSAGGLRLKSLFTEPSEPLPEEPKLEGMFAHHCHKDPVPQSGLSPERV
 QARRQLYAACAVCFIFMAGEVVGGLAHLAIMTDAHLLADIGSMLASLFLWLSTRPATRTMTFGWHR
 SETLGALASVSVSLWIVTGILLYLAFRLRLHSDYHIEAGAMLLTASIAVCANLLMAFVHLHQTGAPHSHGST
 GA EYAPLEEGHGYPMSLGNTSVRAAFVHVLGDLLQSFGLAASILYFRPQYKVADPISTFLFSICALGS
 TAPTLRDVLLVLMGAPRSVEFEPVRDTL LSVPGVRATHDLHLWALTLYHVASAHLAIDSTADPEAVLA
 EASSRLYSRFGFSSCTLQVEQYQPEMAQCLRCQEPSQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011773

ORF Size: 1167 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_011773.3](#), [NP_035903.2](#)

RefSeq Size: 2006 bp

RefSeq ORF: 1167 bp

Locus ID: 22784

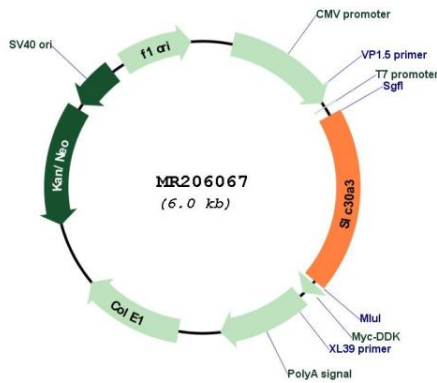
UniProt ID: [P97441](#)

Cytogenetics: 5 16.97 cM

MW: 41.9 kDa

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

Product images:



Circular map for MR206067