

Product datasheet for **MR205317**

Slc35e4 (NM_153142) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc35e4 (NM_153142) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc35e4
Synonyms:	A330108F03Rik; AI414849; AI536442
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205317 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTGCCGCTGCCACTGGAGCACCATGAAGGCATGATGACCTCAGCCGAAGCAGTTGCTGTGGCTGGAA
GTGCCCAGGAGCATGGCCGCCCCAAGTGGCCTCCGGACAAACCCAGGTCCTTGGGCAGCCTGCTCCGGC
GAGAGTGGTTGTGGCAGCACTGGTGTGGCTGTTGGCGGGAGCCAGCATGTCAAGCCTCAACAAGTGGATC
TTCACAGTGCATGGCTTCGGACGGCCCCGTGCTGCTTTCAGCACTGCACATGCTGGCAGCCGCCCTGGCAT
GCCACTGGGGGGCCAGCGCCCCGTGCCGCACAGCATCCACCGTCGAGTGTGCTGCTCAGCCTCACCTT
CGGTACCTCCATGGCGTGCGGCAACGTGGGCCTGAGCACTGTCCCCTTGGACCTAGCACAGCTGGCCACC
ACCACCACACCACTGTTCAATGGCCTTGTCTGCGTTGCTGCTTGGCCGAAGACACCATCCTCTGCAGT
TTGCTGCCATGGGCCCGCTCTGCTAGGGGCTGCATGTAGTCTGGCTGGAGAGCTCCGGGCACCTCCAGC
TGGTTGCGGCTTCTTGTGGTGGCCACCTGTCTGCGAGGCTTCAAGTCTGTTCAACAAAGTGTCTGCTG
CAAGAAGAGAGGCTGGACACGGTGACCTGTGTATGCCACTTCTTTGCCAGTTTCTGCCTGCTGGCCA
GTGCAGCACTGGTGTGGAGGCTGGCACAGCCCCACCGCTGCCTCCCACTGACTCTCGCCTCTGGGCCTG
TGTCTGCTGAGTGCTTCTTGTCCGTGGTCTACAACCTGGCCAGCTTCTCCTTGTGGCCCTCACATCT
GCCCTCACTGTCCACGTACTGGCAACCTCATGGTCGTGGGCAACCTCATCCTGTCCCGGCTCCTGTTG
GCAGCCACCTCAGCGCGCTCAGCTACCTGGGCATCACCTCACCTTTTCAGGAATGTTTCTTTATCACAA
CTGTGAGTTGGTGGCCTCCTGGGCTACCCGATGGGGTTGTGGAACAGGGACCAGCCTGGCAAAGTCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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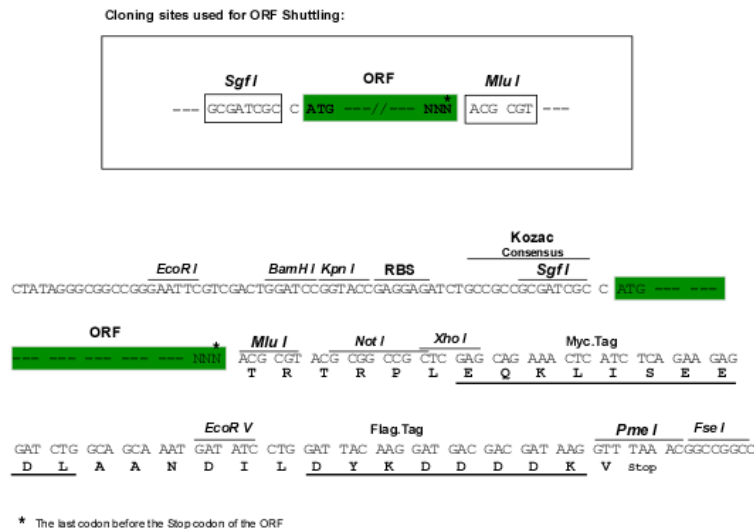
Protein Sequence: >MR205317 protein sequence
 Red=Cloning site Green=Tags(s)

MCRCPLEHHEGMMTSAEAVAVAGSAQEHGRPKWPDPKQVLGQPAPARVVVAALVWLLAGASMSSLNKKWI
 FTVHGFGRPLLLSALHMLAAALACHWGAQRVPVPHSIHRRVLLLSLTFGTSMACGNVGLSTVPLDLAQLAT
 TTTPLFTMALSALLLGRHHPLQFAAMGPLCLGAACSLAGELRAPPAGCGFLLVATCLRGFKSVQQSALL
 QEERLDTVTLTYATSLPSFCLLASAALVLEAGTAPPLPPTDSRLWACVLLSCFLSVVYNLASFSLLALTS
 ALTVHVLGNLMVVGNIILSRLLFGSHLSALSYLGITLTLSGMFLYHNCELVASWATRWGLWNRDQPGKGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153142

ORF Size: 1050 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_153142.3](#)

RefSeq Size: 3059 bp

RefSeq ORF: 1053 bp

Locus ID: 103710

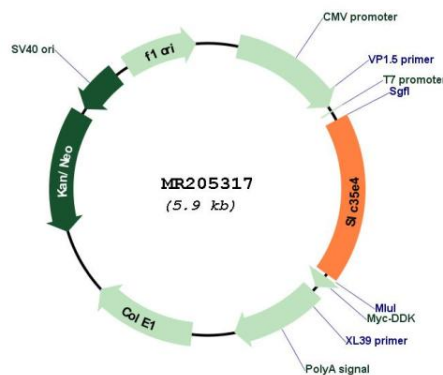
UniProt ID: [Q8K3D6](#)

Cytogenetics: 11 A1

MW: 37.2 kDa

Gene Summary: Putative transporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205317