

Product datasheet for **MR219357**

Slc41a3 (NM_001037493) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc41a3 (NM_001037493) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc41a3
Synonyms:	1010001P06Rik; AI480742; SLC41A1-L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR219357 representing NM_001037493
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGTCGTCACACTCAGCTCAGCCTTGAGTTCGGCTTTCAGGGCAAGAAGCTTCGAGGCTTCAGCTGTGAGC
TCACCCGCTCCCCCATGGGATCCTCCCTGAGCCTGTCCACCACCACCTGCCAGGTCCGCATACCTAT
CCTGCTGTCCGGCCTGGGCATGATGACGGCTGGCTTGGTGATGAACACTGTCCAACACTGGCCAGTGTTT
AAAGATGTTAAAGACCTGATGACGTTGGTGCCACCCCTCGTCGGTCTGAAGGGAAACCTGGAAATGACGC
TGGCGTCTCGGCTCTCCACGTCTCCAACACTGGGCAAAATCGATGACCGCCAGGAGAGGTACAAAATCAT
CAGCAGCAACCTCGTGTGGTTCAGGTGCAGGCCACTGTTGTGGGGCTCCTGGCTGCAGTGGCTCCCTG
ATGCTGGGCACAGTGTCCACGAGGAGTTCGATTGGTCCAAGGTGGCCTTGTGTGCACGAGCAGCGTCA
TCACCGCCTTCTTGTGCCTTGGCCCTAGGAATTCATATGATCTGCATAGTGATTGGTGTCTCGGAAGTT
TGGGGTCAACCCGATAACATCGCCACACCCATTGCAGCCAGCCTGGGCGACCTCATCACCTGTCCATC
CTGGCCCTCATGAGCAGTTTCTTACAGCCACAAGACACATGGTATCTGACGCCTCTGGTCTGTGTGCG
GCTTCTTGGCTCTCACCCCTCTGTGGCTTTCATTGCCAAGCAGAACCCGCCATCATGAAGATCCTGAA
GTATGGGTGGTTTCCCATCATCCTGGCTATGATCATCAGCAGTTTCGGAGGTCTCATCCTGAGCAAAACC
ATTTGAAACATGAATTTAAAGGCATGGCTGTCCTGACTCCAGTCATGTGTGGTGTGGTGGCAACCTGG
TGGCCATTCAGACTAGCCGCATCTCCACCTTCTGCATATGTGGAGCACACCCGGGGTCTCCCTGTCCA
GATGAAAAGATTCTGGCTAACCCCTGCTTCAATTTCTGCTCTTCAGAAATCAATCTGTGTGACAGCA
GTCCTGCTCTTCTGGTGGTCCCAGGACACCTGATTTCTTCTACCTCATCTGCCTGGTGGAAAGGCCAGT
CAGTGACAAAACAGCAAGATCTTCATATTGCTGTACCTGGTGGCAGGCGTGGTCCAGTGGTATCCTGTCT
GTACCTGGCAGAAGTGACAGTTTCGGCTGACATGGCACCAAGCCCTGGATCCTGACAACCACTGCATCCCC
TACCTCACGGGGCTGGGGACCTGCTGGCACTAGCCTGCTGGCACTGTGCTTCTTCTGGACTGGTTAC
TGAGGGGCAGAGCTAATCTTCAGGAGCTGGTCTCAGAGCTGGTTTCTGTGCCTCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219357 representing NM_001037493
Red=Cloning site Green=Tags(s)

MVVTQLSLEFRFQGGKLRGFSCELTRSPHGILPEPVLTTTCQVAIPILLSGLGMMTAGLVMNTVQHWVPV
KDVKDLMTLVPPLVGLKGNLEMTLASRLSTSANTGQIDDRQERYKIISSNLAVVQVQATVVGLLAAVASL
MLGTVSHEEFDWSKVALLCTSSVITAFALAALGILMICIVIGARKFGVNPDIATPIAASLGDITLSI
LALMSSFFYSHKDTWYLTPLVCVGFLLTPLWLFIAKQNPPIIMKILKYGWFPIILAMIISSFGGLILSKT
ISKHEFGMAVLTVMCGVGGNLVAIQTSRISTFLHMWSTPGVLPVQMKRFWPNPCFIFCSSEINVSAR
VLLFLVVPGHLIFFYLICLVEGQSVTNSKIFILLYLVAGVVQVILLYLAEVTVRLTWHQALDPDNHCIP
YLTGLGDLLGTSLLALCFDLDWLLRGRANLQELVSELVSVPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9029_b11.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001037493

ORF Size: 1386 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_001037493.2](#), [NP_001032570.1](#)

RefSeq Size: 2240 bp

RefSeq ORF: 1389 bp

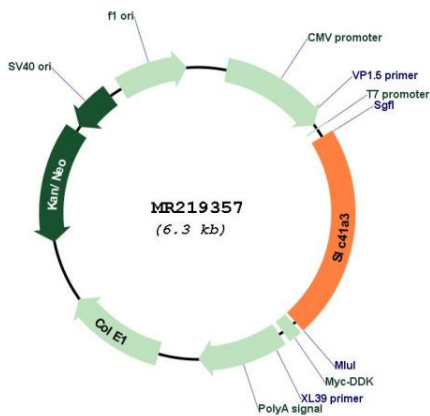
Locus ID: 71699

UniProt ID: [Q921R8](#)

Cytogenetics: 6 D1

MW: 51 kDa

Product images:



Circular map for MR219357