

Product datasheet for **MR207814**

Slc41a3 (NM_027868) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc41a3 (NM_027868) 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)



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ORF Nucleotide Sequence:

>MR207814 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGGGACAGAAGCCCGACAGAGGAGGCTGGAAGGCTGTGGAAGGCTGAAGGAGCTGGGGCCATTGC
 CCAGCCACGATGCAGGAAGACTCCCAAAGGCTTCTGAAGAAGGACACCTGGCGGTCTCTGAGAGCCAACT
 CGTGGATGCCAAATCACTGGAGGCCCGCCTGGCAGGGAGACGTCCCTGATCATTGGCTTTCAGGTGGTA
 ATACCCTTCTGCTTGCAGGCGTGGGACTGTCCTGGGCTGGCTTCTGAACTATTTCCAGCACTGGC
 CAGTGTCAAAGATGTTAAAGACCTGATGACGTTGGTCCACCCCTCGTCGGTCTGAAGGAAAACCTGGA
 AATGACGCTGGCGTCTCGGCTCTCCACGTGCAACACTGGGCAATCGATGACCGCCAGGAGAGGTAC
 AAAATCATCAGCAGCAACCTCGCTGTGGTTCAGGTGCAGGCCACTGTTGTGGGGCTCTGGCTGCAGTGG
 CCTCCCTGATGCTGGGCACAGTGTCCACGAGGAGTTCGATTGGTCCAAGGTGGCCTTGTGTGCACGAG
 CAGCGTATCACCGCCTTCTTGTGCCTTGGCCCTAGGAATTCTAATGATCTGCATAGTGATTGGTGTCT
 CGGAAGTTTGGGGTCAACCCTGATAACATCGCCACACCCATTGCAGCCAGCCTGGGGCAGCTCATACCC
 TGCCATCCTGGCCCTCATGAGCAGTTTCTTCTACAGCCACAAAGACACATGGTATCTGACGCCTTTGGT
 CTGCGTCGGCTTCTTGGCTCTCACCCCTCTGTGGCTTTCATTGCCAAGCAGAACCAGCCCATCATGAAG
 ATCCTGAAGTATGGGTGGTTTCCCATCATCCTGGCTATGATCATCAGCAGTTTCGGAGGTCTCATCTGA
 GCAAAACCATTTGAAACATGAATTTAAAGGCATGGCTGTCTAACTCCAGTCATGTGTGGTGTGGTGG
 CAACCTGGTGGCCATTGAGACTAGCCGCATCTCCACCTTCTGCATATGTGGAGCACACCCGGGGTCTCT
 CCTGTCCAGATGAAAAGATTCTGGCCTAACCCCTGCTTCATTTTCTGCTTTCAGAAATCAATTCGTGT
 CAGCACGAGTCTGCTCTTTCTGGTGGTCCCAGGACACCTGATTTTCTTACCTCATCTGCCTGGTGGG
 AGGCCAGTCAGTGACAAACAGCAAGATCTTCATATTGCTGTACCTGGTGGCAGGCGTGGTCCAGGTGGT
 ATCCTGTGTACCTGGCAGAAGTACAGTTCGGCTGACATGGCACCAAGCCCTGGATCCTGACAACCACT
 GCATCCCTACCTCACGGGGCTGGGGGACCTGCTGGGCACTAGCCTGCTGGCACTGTGCTTCTTCTGGA
 CTGTTACTGAGGGGCAGAGCTAATCTTCCAGGAGCTGGTCTCAGAGCTGGTTTCTGTGCCTCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207814 protein sequence
 Red=Cloning site Green=Tags(s)

MEGTEARQRRLEGCGRLKELGPLPSHDAGRLPKASEEGHLAVSESQLVDAKSLEAPPGRETSLIIGFQVV
 IPFLLAGVGLSWAGLLLNYPQHWPVFKDVKDLMTLVPPLVGLKGNLEMTLASRLSTSANTGQIDDRQERY
 KIISSNLAVVQVQATVVGLLAAVASLMLGTVSHEEFDWSKVALLCTSSVITAFLAALALGILMICIVIGA
 RKFGVNPNDNIATPIAASLGLITLSILALMSSFFYSHKDTWYLTPLVCGFLALTPLWLFIKQNPPIMK
 ILKYGFPIILAMISSFGLILSKTISKHEFKGMAVLTPVMCGVGGNLVAIQTSRISTFLHMWSTPGVL
 PVQMKRFWPNPCFIFCSSEINSVSARVLLFLVVPGHLEFFYLICLVEGQSVTNSKIFILLYLAVGVVQVV
 ILLYLAEVTVRLTWHQALDPDNHCIPYLTGLDLLGTSLLALCFFLDWLLRGRANLQELVSELVSVPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_027868

ORF Size: 1467 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_027868.1](#)

RefSeq Size: 2272 bp

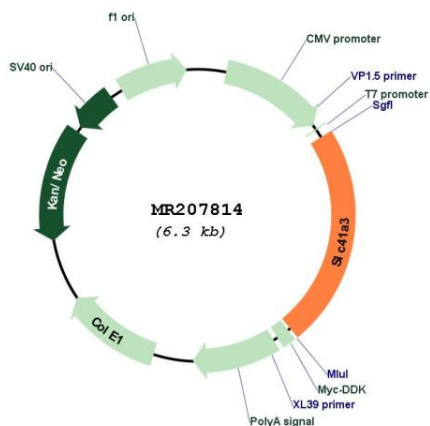
RefSeq ORF: 1467 bp

Locus ID: 71699

UniProt ID: [Q921R8](#)

Cytogenetics: 6 D1
 MW: 53.3 kDa

Product images:



Circular map for MR207814