

Product datasheet for **MG207814**

Slc41a3 (NM_027868) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc41a3 (NM_027868) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc41a3
Synonyms:	1010001P06Rik; AI480742; SLC41A1-L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207814 representing NM_027868
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGGGACAGAAGCCCGACAGAGGAGCTGGAAGGCTGTGGAAGGCTGAAGGAGCTGGGGCCATTGC
 CCAGCCACGATGCAGGAAGACTCCCAAAGGCTTCTGAAGAAGGACACCTGGCGGTCTCTGAGAGCCAACT
 CGTGGATGCCAAATCACTGGAGGCCCGCTGGCAGGGAGACGTCCCTGATCATTGGCTTTCAGGTGGTA
 ATACCCTTCTGCTTGCAGGCGTGGGACTGTCCTGGGCTGGCTTCTGAACTATTTCCAGCACTGGC
 CAGTGTCAAAGATGTTAAAGACCTGATGACGTTGGTGCCACCCCTCGTCGGTCTGAAGGAAAACCTGGA
 AATGACGCTGGCGTCTCGGCTCTCCACGCTGCCAACACTGGGCAATCGATGACCGCCAGGAGAGGTAC
 AAAATCATCAGCAGCAACCTCGCTGTGGTTCAGGTGCAGGCCACTGTTGTGGGGCTCTGGCTGCAGTGG
 CCTCCCTGATGCTGGGCACAGTGTCCACGAGGAGTTCGATTGGTCCAAGGTGGCCTTGTGTGCACGAG
 CAGCGTATCACCGCCTTCTTGTGCCTTGGCCCTAGGAATTCTAATGATCTGCATAGTGATTGGTGCT
 CGGAAGTTTGGGGTCAACCCTGATAACATCGCCACACCCATTGCAGCCAGCCTGGGCGACCTCATACCC
 TGTCATCCTGGCCCTCATGAGCAGTTTCTTCTACAGCCACAAAGACACATGGTATCTGACGCCTTTGGT
 CTGCGTCGGCTTCTTGGCTCTCACCCCTCTGTGGCTTTCATTGCCAAGCAGAACCAGCCCATCATGAAG
 ATCCTGAAGTATGGGTGGTTTCCCATCATCCTGGCTATGATCATCAGCAGTTTCGGAGGTCTCATCCTGA
 GCAAAACCATTTGAAACATGAATTTAAAGGCATGGCTGTCTAACTCCAGTCATGTGTGGTGTGGTGG
 CAACCTGGTGGCCATTGAGACTAGCCGCATCTCCACCTTCTGCATATGTGGAGCACACCCGGGGTCCCT
 CCTGTCCAGATGAAAAGATTCTGGCCTAACCCCTGCTTCAATTTCTGCTTTCAGAAATCAATTCGTGT
 ATGACAGTCTGCTCTTTCTGGTGGTCCCAGGACACCTGATTTTCTTCTACCTCATGCCTGGTGGTGA
 AGGCCAGTCAGTGACAAACAGCAAGATCTCATATTGCTGTACCTGGTGGCAGGCGTGGTCCAGGTGGTC
 ATCCTGTGTACCTGGCAGAAGTGACAGTTCGGCTGACATGGCACCAAGCCCTGGATCCTGACAACCACT
 GCATCCCTACCTCACGGGGCTGGGGGACCTGCTGGGCACTAGCCTGCTGGCACTGTGCTTCTTCTGGA
 CTGTTACTGAGGGGCAGAGCTAATCTTACAGGAGCTGGTCTCAGAGCTGGTTTCTGTGCCTCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207814 representing NM_027868
 Red=Cloning site Green=Tags(s)

MEGTEARQRRLGEGGRLKELGPLPSHDAGRLPKASEEGHLAVSESQLVDAKSLEAPPGRETSLIIGFQVV
 IPFLLAGVGLSWAGLLLNYPQHWPVFKVDKDLMTLVPPLVGLKGNLEMTLASRLSTSANTGQIDDRQERY
 KIISSNLAVVQVQATVVGLLAAVASLMLGTVSHEEFDWSKVALLCTSSVITAFLAALALGILMICIVIGA
 RKFGVNPDIATPIAASLGDILITLSILALMSSFFYSHKDTWYLTPLVCVGLFALTPWLFIKQNPPIMK
 ILKYGFPIILAMISSFGLILSKTISKHEFKMAVLTVMCGVGGNLVAIQTSRISTFLHMWSTPGVL
 PVQMKRFWPNPCFIFCSSEINSVSARVLLFLVVPGLIFFYLICLVEGQSVTNSKIFILLYLVAGVVQVV
 ILLYLAEVTVRLTWHQALDPDNHCIPYLTGLGDLLGTSLLALCFFLDWLLRGRANLQELVSELVSVPP

TRTRPLE - GFP Tag - V

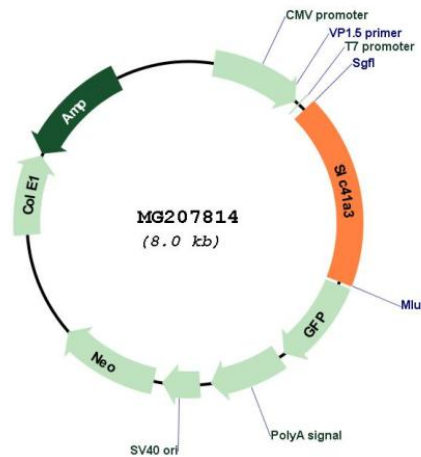
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_027868

ORF Size: 1464 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