

Product datasheet for **MG210880**

Slc39a10 (NM_172653) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a10 (NM_172653) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc39a10
Synonyms:	2900042E17Rik; 5430433I10; mKIAA1265
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG210880 representing NM_172653
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGTGCATATACACACAAAGTTTTGCCTCATCTGTTTACTGACATTTATTTTCCATCATTGCAACC
 ACTGCCATGAAGACCATGACCATGGCCCTGAGGAGCTTCACAGACATCATCGTGGGATGACAGAGTCAGA
 GTCAAGCAAATTTTCAGTGCAGGATGCTGAAAATGAAAAAAGTACTATATTGAAAACTTTTGACCGT
 TATGGTAAAAATGGAAGATTATCATTTTTTGGTCTGGAGAACTTTTAACAACTTGGGCCTTGAGAGA
 TCAAAGTCGTTGAGATTAATCACGAGGACCTTGCCCATGATCATGTTTCTCACTTAGACATTCTGGCAGT
 GCAAGAGGGAAAGCATTTCATTTCGCATACCCACCAGCATTTCACAATCATTTAAATGCAGAAAATCAT
 ACTACAACCAGTGTGACATCAAAAAGAAACCACAAATGTGATCCAGAGAAAGAGGCAGCTGAAGTCCCA
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 ACAGCAGACTTTGTATTGAACATTTTGACAACTTTTAGTTGAAGATTTAAATAAGGATAAACTCTGGT
 TCCTGAAGATAAGACAAATATAGGGGCATCGGCGTGGATCTGTGGCATCATATCTATCACCGTCATTAGT
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 AATGCTCATAGGCACGGCAGTCGGTCAGTATGCCAACACATCACACTCTGGATCTTCGAATCACTGCC
 GGCATGTTCTCTATGTGGCCTTGGTGGATATGCTTCCAGAAATGCTGCATGGAGATGGTGACCATGAGG
 AGCATGGCTTCTGTCCAGTTGGGCAGTTTATTCTTCAAGATTTAGGACTGCTGTTTGGATTGCCATCAT
 GCTGGTTATTGCCCTCTATGAAGACAAATTTGTGTTTGACATCCAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210880 representing NM_172653
 Red=Cloning site Green=Tags(s)

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MKVHIHTKFC LICLLTFIFHHCNHCHEDHDHGPEELHRHHRGMTESESSKFSVQDAENEKYYIEKLFDR
YGENGRLSFFGLEKLLTNLGLGEIKVVEINHEDLGHDHVSHLDILAVQEGKHFHSHTHQHFHNLNAENH
TTTSVTSKRNHKCDPEKEAAELPIKADDKHLHDRNHRFHHRHRLHHHLDHNTTRHVHNDVAHSEHGEPG
HSPSPETNKTQEQSEVKS VKVRRKEKGKRKKENSEVNTPGFLPNHDHSEQYEHN RVHKLDRVHSPGHPHA
HLPEHSGHELGHGHQELDPDNEGELRHTRKREAPHVRKSAIYSTPSHKDQSEDDRQHECLNVTQLLKHFG
LGPNSPISPDLFTYLC PALLYQIDSRLCIEHFDKLLVEDLNKDKTLVPEDKTNIGASAWICGIISITVIS
LLSLLGVILVPIINQGC FKLLTFLVALAVGTMSGDALLHLLPHSQGGHDHSHQHTHGHGSHGHESKEF
LEEYDAVLKGLVALGGIYLLFII EHCIRMFKHYKQQRGKQKWMKQSTEESTIGRKLSDHKLNSTPDADW
LQLKPLAGTDDSVVSEDRLNETELTDLEAQQESPPKNYLGVEEEKIMDHS HSDGLHTIHEHEVHVTSHNH
HDEDKAVLRKHS HQWHHRHAHSHG PCHSGSDLKETGIANIAWMVIMGDGIHNFSDGLAIGA AFSAGLTG
GISTSIAVFCHELPHELGDFAVLLKAGMTVKQAI VYNLLSMMAYIGMLIGTAVGQYANNITLWIFAITA
GMFLYVALVDMLPEMLHGDGDHEEHGFCPVGQFILQNLGLLFGFAIMLVIALYEDKIVFDIQF
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_172653
ORF Size:	2499 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_172653.3](#)

RefSeq Size: 5003 bp

RefSeq ORF: 2502 bp

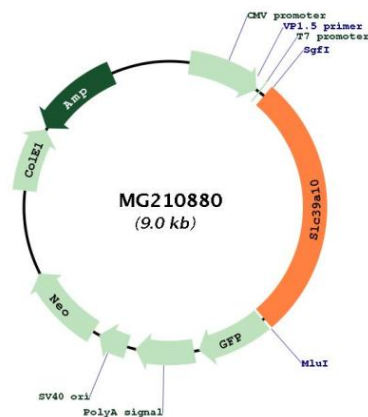
Locus ID: 227059

UniProt ID: [Q6P5F6](#)

Cytogenetics: 1 C1.1

Gene Summary: May act as a zinc-influx transporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210880