

Product datasheet for **MG215878**

Slc39a13 (NM_026721) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Slc39a13
Synonyms:	1100001L14Rik; AA387663; ZIP-13; ZIP13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215878 representing NM_026721
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTGGATGTCCTGCCCTGGCTGTGGTATGGCAGGCCAAAGGCTCCTCTTCTCACTGTCCTTGCCC
TGGAGCTCCTGGAAAGGGCTGGAGGTTCCAGCCAGCCCTCCGGAGCCTGGGGGCTGCAGCTGCCTGTGC
CCTGGATAATAAAGAAAGCGAGTCTGGGGGCTTTGCTGAGTGGGAGCGACTGGACACCTGGATCTGC
TCCCTCTGGGCTCTCATGGTTGGGCTCAGTGGGTTTTCCCTTGCTGGTCATTCCCTGGAGATGG
GGACCCTGTTACAGTCAGAAGCCGGAGCCTGGCGACTGAGGCAGCTGCAGCTTTGCCTTAGGTGGACT
CCTGGGCAACGTGTTTCTGCACCTGCTGCCGGAGGCGTGGGCTACACCTGTAACATCACCCCGGTGGT
GAAGGGCAGAGTCTGCAGCGACAGCAACAAGTGGGCTATGGGTGTCGCTGGCTTCTGACCTTCTGG
CGTTGGAGAAGATGTTCTCAACAGCAAGGAGGACCCAGCCAGGCCCCAGCAAAGACCCACTGCTGC
CGCGCTCAATGGAGGCCACTGTCTGCCCCAGCCGGCTGCAGAGCCCGCCTGAGAGCCGTGGTCCGGAAC
CTCAAAGTCAGTGGCTATCTCAACCTGCTTGCACACCATAGACAACCTCACTCATGGGCTGGCTGTGG
CTGCCAGCTTCTGTGAGCAAAAAGATCGGGCTTCTGACCACCATGGCCATCCTCTGCATGAGATCCC
CCATGAGGTGGTGACTTTGCTATCTGCTCCGGGCTGGCTTTGACCGATGGACGGCAGCCAAGCTACAG
TTTTCTACAGCCCTGGAGGCCCTTCTGGGGCCTGCTTTGCCATCTGTACACAGTCCCCAAAGGAGTAG
AGGAGACGGTGGTCTGGATCCTGCCCTTCACTCGGGAGGCTTTCTATATCGCCCTGGTGAATGTGTT
ACCTGACCTCTTGAAGAAGACGACCCGTGGCACTCCCTGCAACAGGTGCTGCTGCTCCTGCCGTGTT
CTGGTGATGGTCTGCTTTCATTGTTTGTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG215878 representing NM_026721
 Red=Cloning site Green=Tags(s)

MPGCPGCGMAGQRLLFLTVLALELLERAGGSQPALRSLGAAAACRLDNKESESWGALLSGERLDTWIC
 SLLGSLMVGLSGVFPLLVIPLMGTLLQSEAGAWRLRQLLSFALGGLLGNVFLHLLPEAWAYTCNITPGG
 EGQSLRQQQLGLWVIAGFLTFLALEKMFLNSKEDPSQAPSKDPTAAALNGGHCLAQPAEPLRAVVRN
 LKVSGLNLLANTIDNFTHGLAVAASFVSKKIGLLTTMAILLHEIPHEVGDFAILLRAGFDRWTAAKLQ
 FSTALGGLLACFAICTQSPKGVVEETVVWILPFTSGGFLYIALVNVLPDLLLEDDPWHSLLQVLLLCSGV
 LVMVLLSLFVE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026721

ORF Size: 1083 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_026721.2](#), [NP_080997.1](#)

RefSeq Size: 2273 bp

RefSeq ORF: 1086 bp

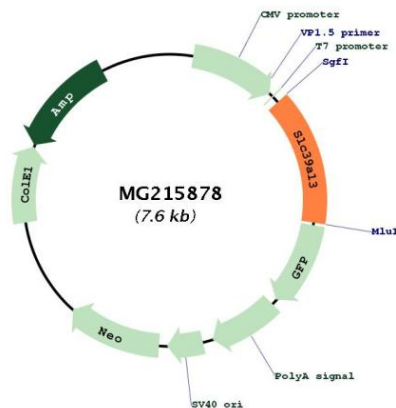
Locus ID: 68427

UniProt ID: [Q8BZH0](#)

Cytogenetics: 2 E1

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

Product images:



Circular map for MG215878