

## Product datasheet for **MG200981**

### Slc48a1 (NM\_026353) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Tag:** TurboGFP  
**Symbol:** Slc48a1  
**Synonyms:** 4930570C03Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG200981 representing NM\_026353  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCCCCGTCCC GGCTGCAGCTCGGCCTCCGCGCCGCTACTCCGGCTTCAGCTCGGTAGCCGGCTTCT  
CCATCTTCTTCGTCTGGACGGTGGTCTACCGACAACCGGGGACTGCGGGCGATGGGGGGTCTCGCAGGTGT  
CCTGGCACTGTGGGTCTTGGTACTCACGTGATGTACATGCAGGATTACTGGAGGACTTGGCTCAGAGGG  
CTGCGCGGCTTCTTCTTCGTGGGTGCTCTTCTCGGCAGTCTCCGTTTCCGCCTTCTGCACCTTCCTGG  
CATTGGCCATCACCCAGCATCAGAGTCTCAAAGACCCGAACAGCTACTACCTCTCCTGTGTCTGGAGCTT  
CATTTCCTTCAAGTGGGCTTCTACTTAGCCTCTACGCCACCGCTACCGGGCTGACTTTGCGGACATC  
AGCATCCTTAGTGATTTT

ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG200981 representing NM\_026353  
Red=Cloning site Green=Tags(s)

MAPSRLQLGLRAAYS GFSSVAGFSIFFVWTVVYRQP GTAAMGGLAGVLALWVLVTHVMMQDYWRTWLRG  
LRGFFVFGALFSAVSVAFC TFLALAITQHQLKDPNSYYLSCVWSFISFKWAFLLSLYAHRYRADFADI  
SILSDF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**



**ACCN:** NM\_026353

**ORF Size:** 438 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\\_026353.2](#), [NP\\_080629.1](#)

RefSeq Size: 2524 bp

RefSeq ORF: 441 bp

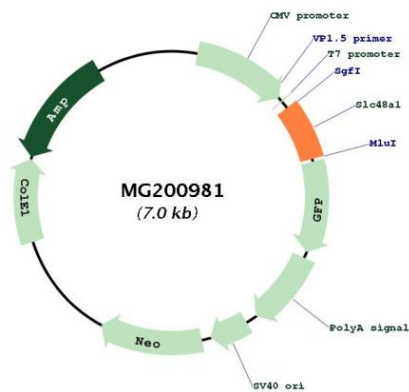
Locus ID: 67739

UniProt ID: [Q9D8M3](#)

Cytogenetics: 15

Gene Summary: Heme transporter that regulates intracellular heme availability through the endosomal or lysosomal compartment. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG200981