

Product datasheet for **MC220544**

Slc39a12 (NM_001012305) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a12 (NM_001012305) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc39a12
Synonyms:	AW046938; Gm731
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220544 representing NM_001012305
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGCTTCTGGACCAATCTTTTCAGTGTGGATGATCCTACTGTCCCACTCCCTCAGCCTCGTTTCCTCTA
 CTGAGACCGGCAAAACCCCTCACTCAGAATAACAGCAGAGCTGGGAGCCAAGGCCTGCTAGAAGTTCTGAG
 GGTCTCTCTGCTGGTGACCACTGGTCCCTCAACCATCCACAAAGCCTCATCAAAATTCTGTTGGAGAGG
 ACTGGGTGTCCACAGAGAACAGATTGGACACAAGGAGACTGCAAGCTGTGTTTGGAAAGCAGATGCACTGT
 TACTCACAGCTGGGGAAATTTGGAGGATGAGCTAAGAGAGGAGGTAGTCCAGAGAGTTTCTCTTCTTCT
 CCTCTACTACATAATTCATCAGGAAGAGATCTGTTCTTCCAAGCTCAACATGAGCAACAGAGAATATGAG
 TTTTACCTGCACAGCCTACTCGGCCTTAGGCAGGATGAAGACTCCTATTTCTTTTCAGAGAAGGAGACTG
 ATGACATCTTGGCTTTCACCAGGAAGTACTTTGGCACTCCAGTAGCCAGTGTATGGAACTAAGATTCT
 GCAGAGGGAATCTGGCATTTCAGGCAGCAATGGTCTGATGAAAAGACACTTCTCAGCTGGCAGCAACC
 ATCATCGCTCTGTCACTCCAAGGAGTTTGTCTGGGAAGAAAAGCCTTGCCTTCTCCAGATGATTTTACAG
 AGTATATTTTCAGTTTCTGAATAGTACCAATACCCCTCCACCTATCTGAAATAGAGCAACTTCTGAACAT
 GCTCAGCACCAGAAGGACCTGTGCTAAAGAGGATAAATACCTCCATCAATACCAAAGGAAACAAAACACA
 GAGGAACACAGTTTGAGAGACCCCAAGACATCTACAGCAATGGACAAAGAGTCTGATGATCATTCTCCTT
 CCTGGGATCAGGCTTGTCTCTGCTAGGCAGTTGGTGGAGATATTTCTACAGAAATCATAGCAGTCTGTC
 CATTTCTAAGGAGGACTTTAAGCAGCTAAGTCCAGGGATCATCCAGCAACTTCTCAGCTGCTTGTGTCAG
 ATGCCAAAGGACCAGCAAGCAAAGCCCCACCCACCACTCTGGAGAAATATGGCTACAGTACAGTGGCAG
 TGACACTCCTAACCTTGGGCTCCATGCTTGGGACAGCGTGGTCTTTTCCACAGCTGTGAGGAGAATA
 CAGTCTTATTTTACAGCTGTTCTGTTGGTGGTGGCTGTGGGACGCTCTCTGGGGATGCCCTGCTCCATCTC
 ATACCTCAGGTTCTTGGTTTACATAAAGCAGGAAGCAGAGTTTGGGCATTTCCATGAAAGCCAAAGTCTTA
 TTTGGAAGCTGTTGGGACTACTTGGAGGCATCCATGGATTTTTCTTGATAGAAAAATGTTTTATCCTTCT
 TGTATCACCAAATACCAAGGCTCTGCCATTAGTTAATGAACATGTGGGACATACACACCCTTGGACTC
 AATCCAGAATTAATGACCAGTCAAGTGGAGGCAAGTCTATCTCAACCATCCAAGTAAAGGCCAGAAAG
 ATTCACAGACAACTGTGCTACCCATAGGCAATGTGCCAGCCTCCAACAGAAATGGCAAACCATCAGCTT
 ATTGGCCATTATGATCCTGGTTGGAGATAGCCTGCACAATTTGCAGATGGCCTAGTAATAGGCACAGCC
 TTCTCCTTTCATTGGAGTCAGGAGTGACCACAACAATTGCTATCTTGTGTCATGAAATCCACATGAAA
 TGGGAGACTTTGCAGTGTCTTAAAGCTCAGGACTCTGTGAGGACTGCCATCCTGATGAATTTTCTAAG
 TGCCCTGACGGCCTTCGAGGACTGTACATTGGTCTCTCAGTATCTGCTGACCCACGTGTCCAAGACTGG
 ATTTTAAACAGTACTGCTGGGATGTTCTTATATTTATCTTTGGTGGGGATGCTTCTGAAATGACTCATG
 TTCAGACACAACGACCCTGGATGACGTTTCTCTGCAGAAATGTCGGATTGGTCTTGGCTGGTTTTCTCT
 TTTGCTTAGCTGTATATGAACAGAATATTAATAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001012305
- Insert Size:** 2070 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001012305.2](#), [NP_001012305.1](#)

RefSeq Size: 2701 bp

RefSeq ORF: 2070 bp

Locus ID: 277468

UniProt ID: [Q5FWH7](#)

Cytogenetics: 2 A2

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