

Product datasheet for **MC227407**

Slc30a4 (NM_001290993) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc30a4 (NM_001290993) Mouse Untagged Clone
Tag: Tag Free
Symbol: Slc30a4
Synonyms: Im; znT-4; Znt4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227407 representing NM_001290993
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCGGCCCCGGCGCGTGAAGCGCCTCAAATCCCTGCTGAGGAAAGACGACACGCCGCTGTTCTTAA
 ATGACACCAGCGCCTTCGACTTCTCGGACGAGGTGAGCGACGAGGGGCTTCGCGCTTAAATAAACTTCG
 AGTCGTGGTGGCCGACGATGACTCGGAAGCCCCGAAAGGCTGTGAACGGGGCGCACCCGGCCCTCCAG
 GCCGACGATGACTCCTTATTGGACCAGGACTTACCTTTAACCAACAGTCAGCTGAGTTTGAAATGGACC
 CCTGTGACAACCTGCAGCAAGCGACGCGAGTTGCTGAAGCAGAGGAAGGTGAAGACCAGGCTGACCATCGC
 TGCCGTCCTCTACTTGTCTTTTCATGATCGGAGAGCTTGTAGAGGTTTTGTGCGCCATGATCAGTGAATG
 CTGGTGTATGTAATAATGGGATTCCTCTTATATGAGGCTGTGCAGAGAACCATCCATATGAACTATGAAA
 TAAACGGCGATGTCATGCTCATCACTGCAGCTGTTGGAGTTGCAGTTAATGTAATAATGGGGTTTCTGTT
 GAACCAAGTCCGGTCAACCACCTTCTCACGCTCATTCCCACTCCCTGCCTCAAATCCCCAAGCATGGTA
 TCTAGTGGACACAACCATGGGCAGGACAGCTTGGCAGTGAGAGCTGCATTTGTACACGCCTTGGGAGACT
 TGGTACAAGTGTGGTGTGCTTATAGCTGCATACATACGATTCAAGCCAGAATAACAAGATTGCTGA
 TCCCATCTGTACGTATATATTTTCATTGCTTGTGGCTTTCACAACGTTTCGCATCATATGGGACACAGTA
 GTGATAATCCTGGAAGGTGTACCAAGCCATTTGAATGTAGATTATATCAAAGAGTCGTTGATGAAAATAG
 AAGATGTATATTCTGTGGAAGATTTGAATATCTGGTCTCTCACTTCTGGAAAATCCACTGCCATAGTTCA
 CATGCAGCTAATTCCTGGAAGTTCATCTAAATGGGAAGAAGTACAGTCCAAAGCTAAGCATTTTACTG
 AACACGTTTGGCATGTACAAATGCACTATTCAGCTCCAGAGTTACAGACAAGAAGTGATCAGAATTGTG
 CAAATTGTCACAGTTCAGTACC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001290993
Insert Size:	1146 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001290993.1</u> , <u>NP_001277922.1</u>
RefSeq Size:	5350 bp
RefSeq ORF:	1146 bp
Locus ID:	22785
UniProt ID:	<u>O35149</u>
Cytogenetics:	2 60.65 cM
Gene Summary:	Probably involved in zinc transport out of the cytoplasm, may be by sequestration into an intracellular compartment.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.