

Product datasheet for **MR230047**

Slc30a6 (NM_001252478) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc30a6 (NM_001252478) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc30a6
Synonyms:	9530029F08Rik; ZnT6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230047 representing NM_001252478
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGACGATTCATCTCTTTTCGAAAGCCACAGAGATCTTTTTTTGGAAAGTTACTACAGGAATTTAGAC
 TTGTCGCAGCTGACCGGAGGTCCTGGAAGATCCTTCTGTTCGGTCAATCAACGTGCTGTGCACTGGCTT
 CCTGCTCATGTGGTGCAGCTCCACCAACAGCATCGCATTAACTGCCTATACTTACCTCACCATCTTTGAT
 CTCTTTAGTTTGTCTTTCTTTAGTTTAATAACATGTTTAATAAGCTACTGGGTAATGATGAGGAAACCTA
 GCCCTGTCTATTCATTTGGGTTTGAAGATTAGAAGTCTGGCTGTATTTGCTTCTACTGTCTTGGCACA
 ATTTGGGAGCCCTTTTATACTAAAAGAAAGTGCAGAACGCTTTTTGGAGCAGCCCGAGATACACACGGGA
 AGATTGTTAGTTGGTACTTTTGTGGCCCTTTCTTCAACCTGTTACAGATGCTTTCTATTCGGAATAAGC
 CTTTTGCTTACGCTCTGAAGCTGCTAGTACGAGCTGGCTTCAGGAGCACGTGGCAGACCTTAGCCGCAG
 CTTGTGTGGCCTTATCCCAGGACTCAGCAGTATCTTCTGCCCGCATGAATCCGTTTGTCTGATTGAT
 CTTGCTGGGGCGTTTGTCTGTGTATAACATACATGCTGATTGAGATTAATAACTACTTTGCCGTGGACA
 CTGCGTCAGCCATTGCCATTGCCCTGATGACGTTTGGCACCATGTACCCCATGAGTGTGTACAGTGGGAA
 AGTGCTCCTCCAGACAACACCACCTCATGTTATCGGTCAGTTGGACAACTGATTAGAGAGGTGTCTACC
 TTGGATGGGGTGCTAGAAGTCCGAAATGAACACTTTTGGACCCTTGGATTTGGCTCATTGGCTGGGTGAG
 TGCATGTACGGATCCGACGAGATGCGAACGAACAAATGGTCCTTGGCTCATGTGAGCAACAGGCTGTGCAC
 GCTGGTGTCCACGCTGACTGTTCCAGATCTTCAAGGACGACTGGATTGGCCTGCCTTATCCTCTGGGCCT
 GTTGGCCCAACGTCCTAAACTTCTCAGACCATCACGTAATCCCAATGCCTTTATTAAGAACGTGGATG
 AGAGGACCCCGTCACGTCAACCCAGCCAAGCCAGCCACCTCCGGAGTTTTCATTAATACGCC
 TGGGAAAAACGTGAGCCCGTTATTCTTCTGAACACACAGACAAGGCCATATAGTTTGGGTCTTAATCGC
 GGACACACACCATACAGCAGCGTTCAGCCAAGGACTCGCATTTCAGGAGTTGGAGCAGGCCAGGGAT
 TGAGGCCACCTCCACATATACCAAGTAGATATGGAATCAACAGGATGGGGCAGCCAAGACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230047 representing NM_001252478
 Red=Cloning site Green=Tags(s)

MGTIHLFRKPQRSFFGKLLQEFRLVAADRRSWKILLFGAINVLCTGFLLMWCSSTNSIALTAYTYLTIFD
 LFSLFFFSLITCLISYWMMRKPSVYSGFERLEVLAVFASTVLAQLGALFILKESAERFLEQPEIHTG
 RLLVGTFFVALSFNLFMTLSIRNKPFAYVSEAASTSWLQEHVADLSRSLCGLIPGLSSIFLPRMNPFLVID
 LAGAFALCITYMLIEINNYFAVDTASAIAlALMTFGTMYPMMSVYSGKVLQTPPHVIGQLDKLIREVST
 LDGVLEVRNEHFRTLGFGLAGSVHVRIRRDANEQMVLAHVSNRCTLVSTLTVQIFKDDWIRPALSSGP
 VAPNVLNFSDHHVIPMPLLNVDERTPVTSTPAKPSPPPEFSFNTPGKNVSPVILLNTQTRPYSLGLNR
 GHTPYSSVFSQGLAFPGVAGQGLRPTFPHIPSRYGINRMGQPRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_001252478.1](#), [NP_001239407.1](#)

RefSeq Size: 2171 bp

RefSeq ORF: 1398 bp

Locus ID: 210148

Cytogenetics: 17 E2

MW: 52.1 kDa

Gene Summary: Zinc-efflux transporter which allocates the cytoplasmic zinc to the trans-Golgi network (TGN) as well as the vesicular compartment.[UniProtKB/Swiss-Prot Function]