

Product datasheet for **MR207349**

Slc30a6 (NM_144798) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Slc30a6 (NM_144798) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Slc30a6 |
| Synonyms: | 9530029F08Rik; ZnT6 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR207349 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGACGATTCATCTCTTTTCGAAAGCCACAGAGATCTTTTTTTGGAAAGTTACTACAGGAATTTAGAC
 TTGTCGCAGCTGACCGGAGGTCCTGGAAGATCCTTCTGTTTCGGTCAATCAACGTGCTGTCACTGGCTT
 CCTGCTCATGTGGTGCAGCTCCACCAACAGCATCGCATTAACTGCCTATACTTACCTCACCATCTTTGAT
 CTCTTTAGTTTAAATAACATGTTTAAAGCTACTGGGTAATGATGAGGAAACCTAGCCCTGTCTATTCAT
 TTGGGTTTGAAGATTAGAAGTCTGGCTGATTTGCTTCTACTGTCTTGGCACAATTGGGAGCCCTCTT
 TATACTAAAAGAAAGTGCAGAACGCTTTTTGGAGCAGCCCGAGATACACACGGGAAGATTGTTAGTTGGT
 ACTTTTGTGGCCCTTTCTTCAACCTGTTACGATGCTTCTATTTCGGAATAAGCCTTTTGTCTACGTCT
 CTGAAGCTGCTAGTACGAGCTGGCTTCAGGAGCACGTGGCAGACCTTAGCCGAGCTTGTGTGCCCTTAT
 CCCAGGACTCAGCAGTATCTTCTGCCCGCATGAATCCGTTTGTCTGATTGATCTTGTGGGGCGTTT
 GCTCTGTGTATAACATACATGCTGATTGAGATTAATACTACTTTGCCGTGGACACTGCGTCAGCCATTG
 CCATTGCCCTGATGACGTTTGGCACCATGTACCCCATGAGTGTGTACAGTGGGAAAGTGCTCCTCCAGAC
 AACACCACCTCATGTTATCGGTCAGTTGGACAACTGATTAGAGAGGTGTCTACCTTGGATGGGGTGCTA
 GAAGTCCGAAATGAACACTTTTGGACCTTGGATTTGGCTCATTGGCTGGGTGAGTGCATGTACGGATCC
 GACGAGATGCGAACGAACAAATGGTCTTGTCTCATGTGAGCAACAGGCTGTGCACGCTGGTGTCCACGCT
 GACTGTTCCAGATCTTCAAGGACGACTGGATTCGGCCTGCCTTATCCTCTGGGCTGTTGCCCCAACGTC
 CTAACCTTCTCAGACCATCAGTAATCCCAATGCCTTTATTAAGAACGTGGATGAGAGGACCCCGTGAG
 CCGGTTATTCTTCTGAACACACAGACAAGGCCATATAGTTTGGTCTTAATCGCGGACACACACCATA
 AGCAGCGTGTTCAGCAAGGACTCGCATTTCCAGGAGTTGGAGCCGCCAGGGATTGAGGCCACCTTCC
 CACATATACCAAGTAGATATGGAATCAACAGGATGGGGCAGCCAAGACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207349 protein sequence
 Red=Cloning site Green=Tags(s)

MGTIHLFRKPQRSFFGKLLQEFRLVAADRRSWKILLFGAINVLCTGFLLMWCSTNSIALTAYTYLTIFD
 LFSLITCLISYWMMRKPSPVYSFGERLEVLAVFASTVLAQLGALFILKESAERFLEQPEIHTGRLLVG
 TFVALSFNLFMTLSIRNKPFAYVSEAASTSWLQEHVADLSRSLCGLIPGLSSIFLPRMNPVFLIDLAF
 ALCITYMLIEINNYFAVDTASAIAlALMTFGTMYPMVSVYSGKVLQTTTPPHVIGQLDKLIREVSTLDGVL
 EVRNEHFWTLGFGLAGSVHVRIRRDANEQMVLAHVSNRLCTLVSTLTVQIFKDDWIRPALSSGPVAPNV
 LNFSDHHVIPMPLLKNVDERTPVTSTPAKPSPPPEFSFNTPGKNVSPVILLNTQTRPYSGLNLRGHTPY
 SSVFSQGLAFPGVAGQGLRPTFPHIPSRYGINRMGQPRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_144798

ORF Size: 1383 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.

RefSeq: [NM_144798.1](#), [NM_144798.2](#), [NM_144798.3](#), [NM_144798.4](#), [NM_144798.5](#), [NM_144798.6](#), [NP_659047.2](#)

RefSeq Size: 2156 bp

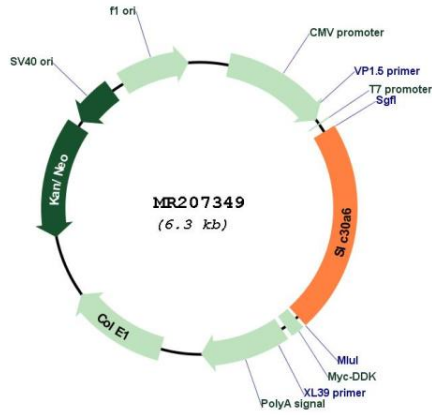
RefSeq ORF: 1383 bp

Locus ID: 210148

UniProt ID: [Q8BIM5](#)

Cytogenetics: 17 E2
 MW: 51 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]

Product images:



Circular map for MR207349