

Product datasheet for MR229618

Slc30a4 (NM_001290993) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc30a4 (NM_001290993) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc30a4
Synonyms: Im; znT-4; Znt4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229618 representing NM_001290993
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGGCCCCGGCGCGTGAAGCGCCTCAAATCCCTGCTGAGGAAAGACGACACGCCGCTGTTCTTAA
ATGACACCAGCGCCTTCGACTTCTCGGACGAGGTGAGCGACGAGGGGCTTCGCGCTTAAATAAACTTCG
AGTCGTGGTGGCCGACGATGACTCGGAAGCCCCGAAAGGCTGTGAACGGGGCGCACCCGGCCCTCCAG
GCCGACGATGACTCCTTATTGGACCAGGACTTACCTTTAACCAACAGTCAGCTGAGTTTGAAATGGACC
CCTGTGACAACCTGCAGCAAGCGACGCGAGTTGCTGAAGCAGAGGAAGGTGAAGACCAGGCTGACCATCGC
TGCCGTCCTCTACTTGTCTTTTCATGATCGGAGAGCTTGTAGAGGTTTTGTGCGCCATGATCAGTGAATG
CTGGTGTATGTACTAATGGGATTCCTCTTATATGAGGCTGTGCAGAGAACCATCCATATGAACTATGAAA
TAAACGGCGATGTCATGCTCATCACTGCAGCTGTTGGAGTTGCAGTTAATGTAATAATGGGGTTTCTGTT
GAACCAAGTCCGGTCAACCACTTCTCACGCTCATTCCCACTCCCTGCCTCAAATCCCCAAGCATGGTA
TCTAGTGGACACAACCATGGGCAGGACAGCTTGGCAGTGAGAGCTGCATTTGTACACGCCTTGGGAGACT
TGGTCAAAGTGTGGTGTCTTATAGCTGCATACATACGATTCAAGCCAGAATAACAAGATTGCTGA
TCCCATCTGTACGTATATATTTTCATTGCTTGTGGCTTTCACAACGTTTCGCATCATATGGGACACAGTA
GTGATAATCCTGGAAGGTGTACCAAGCCATTTGAATGTAGATTATATCAAAGAGTCGTTGATGAAAATAG
AAGATGTATATTCTGTGGAAGATTTGAATATCTGGTCTCTCACTTCTGGAAAATCCACTGCCATAGTTCA
CATGCAGCTAATTCCTGGAAGTTCATCTAAATGGGAAGAAGTACAGTCCAAAGCTAAGCATTTTACTG
AACACGTTTGGCATGTACAAATGCACTATTCAGCTCCAGAGTTACAGACAAGAAGTGATCAGAACTTGTG
CAAATTGTCACAGTTCAGTACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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MAGPGAWKRLKSLLRKDDTPLFLNDFSAFDFDEVSDEGLSRFNKLRVVVADDDSEAPERPVNGAHPALQ
 ADDDSLDDQDLPLTNSQLSLKMDPCDNC SKRRELLKQRKVKTRLTIAAVLYLLFMIGELVEVLSAMISVM
 LYYVLMGFLLYEAVQRTIHMNYEINGDVMLITAAVGVAVNVIMGFLLNQSGHHSHAHSHSLPSNSPSMV
 SSGHNHGQDSLAVRAAFVHALGDLVQSVGLIAAYIIRFKPEYKIADPICTYIFSLLVAFVTFRIIWDTV
 VIILEGVP SHLNVDIKESLMKIEDVYSVEDLNIWSLTSKGSTAIVHMLIPGSSSKWEEVQSKAKHLLL
 NTFGMKYCTIQLQSYRQEVRTCANCHSSST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

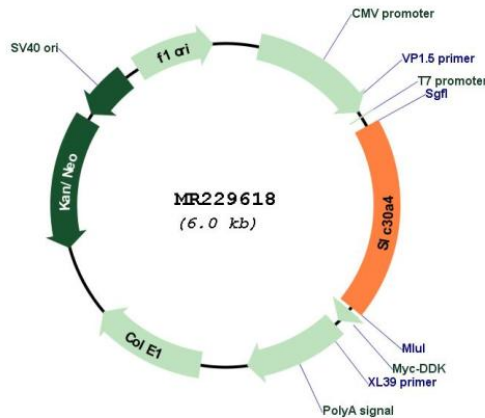
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290993

ORF Size:	1143 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:	<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:	NM_001290993.1 , NP_001277922.1
RefSeq Size:	5350 bp
RefSeq ORF:	1146 bp
Locus ID:	22785
UniProt ID:	O35149
Cytogenetics:	2 60.65 cM
MW:	42.8 kDa
Gene Summary:	Probably involved in zinc transport out of the cytoplasm, may be by sequestration into an intracellular compartment.[UniProtKB/Swiss-Prot Function]