

Product datasheet for **MR209742**

Slc23a2 (NM_018824) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc23a2 (NM_018824) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc23a2
Synonyms:	AI844736; mKIAA0238; NBTL1; Slc23a1; SVCT2; YSPL2; YSPL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR209742 representing NM_018824
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGGTATCGCAAGAACACGGCATCCAAGTCAGTGGAGGCTGGGGCTCCACGGAAGGCAAATATG
 AAGAGGAGGCGAAGCACTCGAATTTCTTTACTCTCCCGTGGTATCAATGGTGGGGCCACATCCAGCGG
 AGAGCAGGACAACGAGGACACGGAGCTCATGGCAATCTACACCACAGAGAACGGCATTGCAGAGAAGAGC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR209742 representing NM_018824
Red=Cloning site Green=Tags(s)

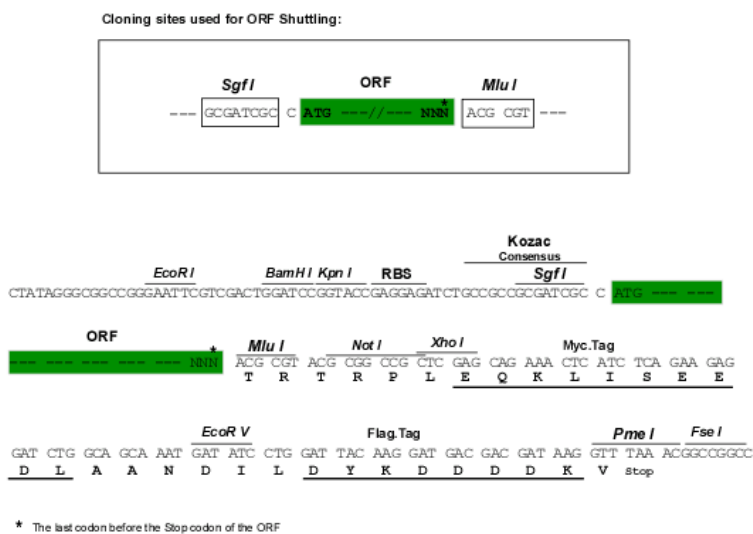
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 KGVLLVAPWFKVPYPFQWGMPTVSAAGVIGMLSAVVASIIESIGDYACARLSCAPPPPIHAINRGIFVE
 GLSCVLDGIFGTGNGSTSSPNIGVLGITKVGSRRIQYGAALMLGLGMVGKFSALFASLPDPVVGALFC
 TLFGMITAVGLSNLQFIDLNRRNLVFLGFSIFFGLVLPYLRQNPLVTGITGIDQILNLLTTAMFVGG
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 FGKSENSRSDKDSQATV

TRTRPLEQKLISEEDLANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9014_b12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018824

ORF Size: 1944 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_018824.2](#), [NP_061294.2](#)

RefSeq Size: 6487 bp

RefSeq ORF: 1947 bp

Locus ID: 54338

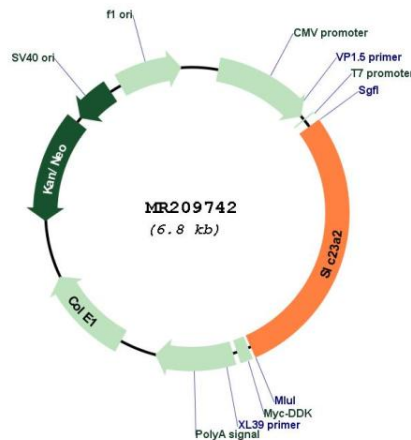
UniProt ID: [Q9EPR4](#)

Cytogenetics: 2 F2

MW: 70.5 kDa

Gene Summary: Sodium/ascorbate cotransporter. Mediates electrogenic uptake of vitamin C, with a stoichiometry of 2 Na(+) for each ascorbate (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209742