

## Product datasheet for **MR209630**

### Slc5a6 (NM\_001177622) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc5a6 (NM_001177622) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc5a6
Synonyms:	E430023I20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR209630 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGTGTGGCGAGCACTGCAGCTCCCTTCCATACAACCTCAGGCTCCAGCGGGCTATTTCTACCTTTT  
CTGATGTGGACTATGTGGTATTTGGCCTGTTGCTGGTCCCTCTCCCTTGTCATTGGGCTCTATCATGCTTG  
TCGTGGCTGGGGCCACCATAACCGTTGGTGAAGTCTGATGGCAGACCGAAAAATGGGCTGTCTTCTGTG  
GCACTGTCCTTGTGGCCACCTTCCAGTCAGCCGTGGCCATCCTGGGAGCACCAGCTGAGATCTTCCGAT  
TTGGAACCCAGTATTGGTTCCTGGGGTCTCCTACTTCTGGGGCTCCTGATCCCTGCTCACATCTTCAT  
CCCTGTCTTACCGTCTGCATCTGACCAGCGCCTATGAGTACCTAGAGCTCCGTTCAATAAAGCAGTT  
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CCTTGGCCCTCAATGCAGTGACTGGATTTGATTTATGGCTGTGCTGCTGGCCCTAGGAATTGTCTGCAA  
CATCTACACTGCACTGGGTGGGCTGAAGGCTGTCTGACAGATGTGTTCCAAACACTGGTCATGTTT  
CTCGGGCAGCTGGTAGTGATCATTGTAGGAGCAGCCAGAGTGGGTGGCTTGGGCCATGTATGGAATGTGA  
CTTCCCAGCATGGCCTCATCTCTGGGATTAACCTGGATCCTGACCCCTTGTGCGTCATACTTTCTGGAC  
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GAAGCAAGCAGCCCTGACCAGTTAGTCTCTATTTGTGATGGACCTCCTGAAAGACATGCCAGGGCTG  
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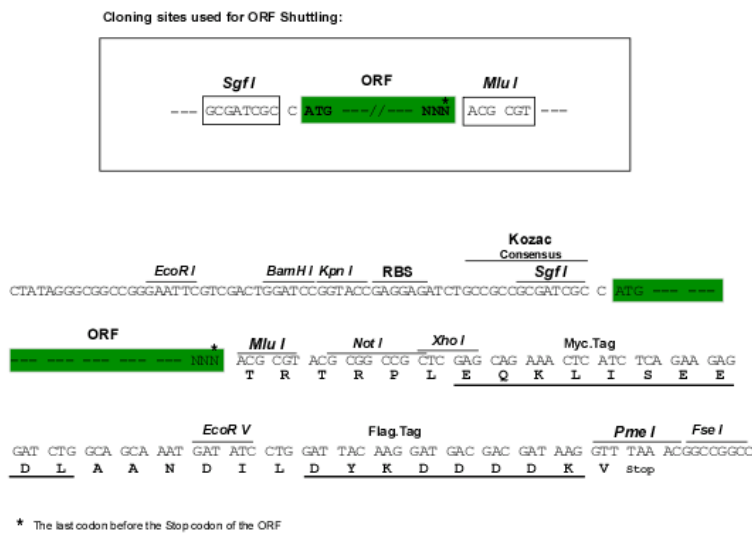
**Protein Sequence:** >MR209630 protein sequence  
Red=Cloning site Green=Tags(s)

```
MSVASTAAPFHTTSGSSGAISTFSDVDYVVFGLLLVLSLVIGLYHACRGWGHTV GELLMADRKMGC L P V
ALSLLATFQSAVAILGAPAEIFRFGTQYWFLGCSYFLGLLIPAHIFIPVFYRHLHLSAYEYLELRFNKAV
RICGTVTFIFQMVIYMGVALYAPSLALNAVTFGDLWLSVLALGIVCNIYTAGGLKAVIWTDFVQTLVMF
LGQLVVIIVGAARVGG LGHVWVNTSQHGLISGINLDPDPFVRHTFWTLAFGGVFMMLSLYGVNQAQVQRY
LSSHSEAAVLSCYAVFPCQQVALCMSCLIGLVMFAYYNMYSMPELKQAAPDQLVLYFVMDLLKDM PGL
PGLFVACLFSGSLSTISSAFNSLATVTMEDLIQPWFQLTETRAIMLSRGLAFAYGLVCLGMAYISSHLG
SVLQAALSIFGMVGGPLLGLFCLGLFFPCANPLGAI VGLLTGLTMAFWIGIGSIVSRMSSAVAPPLNGS
SSFLPANVTVAAVTTPSTLSKPTGLQHFYSLSYLWYSAHNSTTVIVVGLIVSLLTGMRGRSLNPGTI
YPVLPKLLALLPLSCQKRLCWRSHSQDIPVIPNLFPEKMRNGVLQDSTDKERMAEDGLVHQPCSPYVVVQ
ETSL
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001177622

**ORF Size:** 1905 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\\_001177622.1](#), [NP\\_001171093.1](#)

**RefSeq Size:** 3237 bp

**RefSeq ORF:** 1905 bp

**Locus ID:** 330064

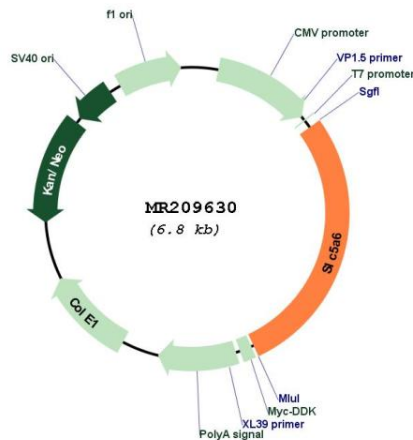
**UniProt ID:** [Q5U4D8](#)

**Cytogenetics:** 5 B1

**MW:** 68.5 kDa

**Gene Summary:** Transports pantothenate, biotin and lipoate in the presence of sodium.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR209630