

## Product datasheet for **MR220835**

### Slc5a6 (NM\_001177621) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc5a6 (NM_001177621) 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)



[View online »](#)

ORF Nucleotide  
Sequence:

>MR220835 representing NM\_001177621  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGTGTGGCGAGCACTGCAGCTCCCTCCATACAACCTCAGGCTCCAGCGGGCTATTTCTACCTTTT  
CTGTTGTGGACTATGTGGTATTTGGCCTGTTGCTGGTCCCTCCCTTGTCATTGGGCTCTATCATGCTTG  
TCGTGGCTGGGGCCACCATAACCGTTGGTGAAGTCTGATGGCAGACCGAAAAATGGGCTGTCTTCTGTG  
GCACTGTCCTTGCTGGCCACCTCCAGTCAGCCGTGGCCATCCTGGGAGCACCAGCTGAGATCTTCCGAT  
TTGGAACCCAGTATTGGTTCCTGGGGTCTCCTACTTCTGGGGCTCCTGATCCCTGCTCACATCTTCAT  
CCCTGTCTTACCGTCTGCATCTGACCAGCGCCTATGAGTACCTAGAGCTCCGTTCAATAAAGCAGTT  
CGGATCTGTGGGACTGTGACCTTCATCTTTCAGATGGTGATACATGGGAGTTGCTCTCTATGCACCAT  
CCTTGGCCCTCAATGCAGTGACTGGATTTGATTTATGGCTGTGAGTGTGGCCCTAGGAATTGTCTGCAA  
CATCTACACTGCACTGGGTGGGCTGAAGCTGTATCTGGACAGATGTGTTCCAAACACTGGTCATGTTT  
CTCGGGCAGCTGGTAGTGATCATTGTAGGAGCAGCCAGAGTGGGTGGCTTGGGCCATGTATGGAATGTGA  
CTTCCCAGCATGGCCTCATCTCTGGGATTAACCTGGATCCTGACCCTTTGTGCGTCATACTTTCTGGAC  
TTTGGCCTTTGGAGGTGCTTCATGATGCTCTCCTTGTATGGAGTGAATCAGGCTCAGGTGCAGCGCTAC  
CTCAGTCCCCTCGGAGAGAGCTGCTGTGCTCTCCTGCTATGCAGTGTCCCTTGGCCAGCAAGTGGCC  
TCTGCATGAGTGCCTCATTGGTCTGGTCACTGTTTGCCTATTATAACATGTATAGCATGAGCCCCGAGCT  
GAAGCAAGCAGCCCTGACCAGTTAGTCTCTATTTGTGATGGACCTCCTGAAAGACATGCCAGGGCTG  
CCTGGGCTCTTCGTTGCCTGTCTCTTCACTGGATCTCTCAGCACCATATCCTCTGCATTCATCACTGG  
CAACTGTCACGATGGAAGACCTGATCCAGCCCTGGTCCCACAGTTGACTGAAACTCGGGCCATCATGCT  
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GACTGTTCTTCCCATGCGCCAACCTCTTGGTGCATTGTAGGCCTGTTGACGGGACTCACCATGGCCTT  
CTGGATCGGCATTGGGAGCATAGTAAGCAGGATGAGTTCTGCTGTGGCACCCTCCCTTAATGGATCC  
AGCTCCTTCTGCCTGCCAATGTAAGTGTGCGCCGCTGTGACCACCGTATGCCTTCTACCCTGTCCAAGC  
CCACAGGACTGCAGCACTTCTATCCCTGTCTATTTATGGTACAGCGCGCACAACTCCACCACAGTCAT  
TGTAGTGGCCTGATTGTCAGTCTGCTCACTGGGGGAATGCGGGCCGGTCCCTGAACCCCGGCACCATT  
TACCCTGTGCTGCCAAAGCTCCTAGCACTCCTGCCCTATCCTGCCAGAAGCGGCTTTGCTGGAGAAGCC  
ACAGCCAGGATATCCCTGTGATCCCAACCTGTTTCCAGAGAAGATGAGGAATGGGGTGTGCAGGACAG  
CACAGACAAAGAGAGGATGGCTGAAGATGGCCTCGTCCACCAGCCGTGCAGCCCTACCTACGTTGTCCAG  
GAGACCTCCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR220835 representing NM\_001177621  
Red=Cloning site Green=Tags(s)

```
MSVASTAAPFHTTSGSSGAISTFSVVDYVVFGLLLVLSLVIGLYHACRGGWGHHTVGELLMADRKMGCCLPV
ALSLLATFQSAVAILGAPAEIFRFGTQYWFLGCSYFLGLLIPAHIFIPVFYRHLHLSAYEYLELRFNKAV
RICGTVTFIFQMVIIYMGVALYAPSLALNAVTFGFDLWLSVLALGIVCNIYTAGGLKAVIWTDFVQTLVMF
LGQLVVIIVGAARVGGGLGHVWVNTSQHGLISGINLDPDPFVRHTFWTLAFGGVFMMLSLYGVNQAQVQRY
LSSHSEAAVLSCYAVFPCQQVALCMSCLIGLVMFAYYNMYSMSPCLKQAAPDQLVLYFVMDLLKDMPLG
PGLFVACLFSGSLSTISSAFNSLATVTMEDLIQPWFQTLTETRAIMLSRGLAFAYGLVCLGMAYISSHLG
SVLQAALSIFGMVGGPLLGLFCLGLFFPCANPLGAIVGLLTLGLTMAFWIGIGSIVSRMSSAVAPPLNGS
SSFLPANVTAAVTTVMPSTLSKPTGLQHFYSLSYLWYSAHNSTTVIVVGLIVSLLTGMRGRSLNPGTI
YPVLPKLLALLPLSCQKRLCWRSHSQDIPVIPNLFPEKMRNGVLQDSTDKERMAEDGLVHQPCSPYVVVQ
ETSL
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001177621

**ORF Size:** 1902 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\\_001177621.1](#), [NP\\_001171092.1](#)

**RefSeq Size:** 3455 bp

**RefSeq ORF:** 1905 bp

**Locus ID:** 330064

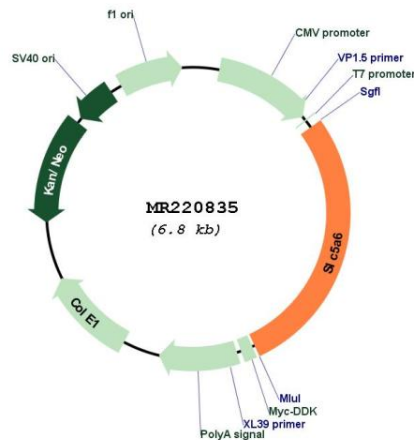
**UniProt ID:** [Q5U4D8](#)

**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 MR220835