

Product datasheet for **MR208251**

Slc25a25 (NM_146118) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Slc25a25 (NM_146118) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Slc25a25 |
| Synonyms: | 1110030N17Rik; MCSC; mKIAA1896 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR208251 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGAGCAGTGTGTTGTGCCGTGCGTGGCCTCCCCGCGCGCGGACGCCGCCACCGCCTCGTCGT
 CCGCCTCGTCGCGGCTTCTGTAGGGGACCCGTGCGGCGGCGCCGTCTGTGGCGGCCGACCACAGCT
 ACGCCTGTGGAGCCTCTCCAGACTCGACGTCAACCGCAGCGCGCCTGTGTGTCAACGACCTGGCG
 GTGGGGTGC GCGCCTGGGACTGCACCGCAGGAGGGCGAGCTCCGAAAATTGTGCAAGCAGGTGACA
 AGGACCTTGATGGCAACTGGACTTTGAAGAGTTGTACATTACCTCCAAGATCATGAGAAAAACTGAG
 GCTGGTGTCAAGAGTCTGGACAAAAAGATGATGGTCAATCGATGCTCAGGAGATCATGCAGTCCCTG
 CGGACCTGGGTGCAAGATCTCGAACAGCAGGCGGAGAAGATTCTTAAGAGAATACGGACGGCCACT
 TCTGGGGCCCTGTACCTACATGGATAAGAATGGCAGCATGACCATCGACTGGAACGAGTGGAGGGACTA
 CCACCTCTGCACCTGTGGAGAACATCCCGGAGATCATCTGTACTGGAAGCACTCGACGATCTTCGAT
 GTCGGTGAGAATCTGACAGTCCCAGATGAGTTCACAGTGGAGGAGAGGCAGACGGGGATGTGGTGGAGGC
 ACCTGGTGGCAGGAGGTGGGGCAGGGCAGTTCCAGAACCTGCACTGCCCCCTGGACAGACTGAAGGT
 GCTCATGCAGGTCATGCCTCCCGCAGCAACAACATGTGCATCGTAGGTGGATTACACAGATGATTCTGA
 GAAGGGGAGCCAAGTCACTCTGGCGGGCAACGGCATCAATGTCCTCAAAATTGCCCTGAGTCGGCCA
 TCAAAATCATGGCATATGAGCAGATGAAACGGCTTGTCCGTAGTGATCAGGAGACGCTGAGGATCCACGA
 AAGGCTTGTGGCAGGCTCCTTGGCCGAGCCATTGCCAGAGTAGCATCTACCAATGGAGGTTCTGAAG
 ACCCGAATGGCCCTGCGAAAACAGGACAGTACTCCGGCATGCTGGACTGTGCCAGGAGGATCTTGGCTA
 AAGAGGGTGTAGCTGCCTTCTACAAAGGCTACATCCCCAACATGCTGGGGATCATCCCCTATGCTGGCAT
 CGACCTAGCTGTCTATGAGACATTGAAAAATACCTGGCTCCAGCGCTACGCAGTAAACAGTGCAGACCCC
 GGTGTGTTCTGTCTCCTGGCCTGTGGTACTATCTCCAGTACTTGTGGCCAGCTGGCCAGCTACCCACTAG
 CCCTGGTCAGGACCCGGATGCAGGCACAAGCCTCCATTGAGGGCGCACCTGAGGTAACCATGAGCAGCCT
 CTTCAAACAGATTCTGCGGACTGAGGGGCTTTGGGCTCTACCGGGGCTGGCCCCCAACTTCATGAAG
 GTGATCCCGGCTGTGAGCATCAGCTACGTGGTCTACGAAAACCTGAAGATCACCTGGGCGTGCAGTCTC
 GG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208251 protein sequence
 Red=Cloning site Green=Tags(s)

MVSSVLCRCVASPPDAAATASSSASSPASVGDPCGGAVCGGPDHQLRLWSLFQTLDVNRDGGLCVNDLA
 VGLRRLGLHRTEGELRKIVQAGDKLDGQLDFEEFVHYLQDHEKKLRLVFKSLDKKNDGRIDAQEI MQSL
 RDLGVKISEQQAIEKILKRIRTGHWGPVTYMDKNGTMTIDWNEWRDYHLLHPVENIPEIILYWKHSTIFD
 VGENLTVPDEFTVEERQTGMWWRHLVAGGGAGAVSRTCTAPLDRLKVLQVHASRSNNMCI VGGFTQMIR
 EGGAKSLWRGNINVLKIAPESAIKFMAYEQMKRLVGSdqETLRIHERLVAGSLAGAIQSSIYPMEVLK
 TRMALRKTGQYSGMLDCARRILAKEGVAAFYKGYIPNMLGIIPYAGIDLAVYETLKNLWLRQYAVNSADP
 GV FVLLACGTISSTCGQLASYPLALVRTRMQAASIEGAPEVTMSSLFKQILRTEGAFGLYRGLAPNFMK
 VIPAVSISYVVYENLKITLGVQSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

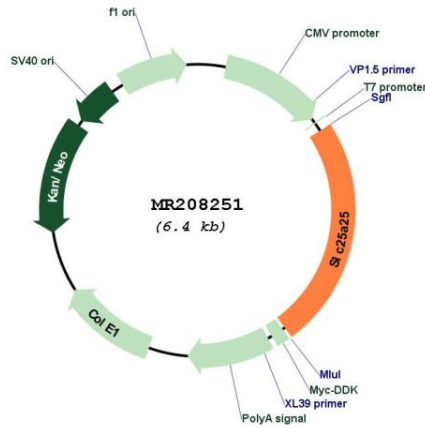
Sgfl-MluI

Cytogenetics: 2 B

MW: 56.8 kDa

Gene Summary: Calcium-dependent mitochondrial solute carrier. Mitochondrial solute carriers shuttle metabolites, nucleotides, and cofactors through the mitochondrial inner membrane. May act as a ATP-Mg/Pi exchanger that mediates the transport of Mg-ATP in exchange for phosphate, catalyzing the net uptake or efflux of adenine nucleotides into or from the mitochondria (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208251