

Product datasheet for **MC202078**

Slc25a24 (NM_172685) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a24 (NM_172685) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc25a24
Synonyms:	2610016M12Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>BC055369 sequence for NM_172685
AAGAGGTAATCCGCCACCAGCTCACGGTGACTTCCCCGGGACCATGCTGCGCTGGCTGCGGGCCTTTG
TGCTGCCACCAGCCGCTGCCACGACGCGGAGCCGCCACACGCTACGAAACGCTCTTCCGGGCGCTGGA
CCGCAATGGGGACGGCGTGGTGGACATCGGAGAGCTGCAGCAGGGGCTGCAAAGCCTGGGCATCCCGCTG
GGCCAGGACGCGGAGGAGAAAAATTTACCAGCTGGCGATGTCAACAAAGATGGGAAGCTGGATTTTGAAG
AATTTATGAAATACCTGAAAGACCATGAGAAGAAAAATGAAATTAGCATTTAAAAGTTTGGACAAGAATAA
TGACGGGAAAAATCGAGCCTTCTGAAATTTGCCAGTCTCTCCAGATGCTCGGTTTACATATTTCTGAAAAA
CAAGCAGAGCTGATTCTTCAAGGCATCGACTCTGATGGGACGATGACCGTGGACTGGAATGAATGGAGGG
ATTACTTTTTATTAAACCTGTGACAGACATTGAGGAAATATCCGTTTCTGAAACACTCTACTGGAAT
TGACATAGGGGATAGTTAACTATTCCAGATGAATTCACAGAAGATGAGAAAAAATCAGGACAGTGGTGG
AGGCAGCTCCTGGCAGGAGGTGGCGGGCGCGTCTCTAGAACGAGCACCCTCTTTGGATCGCCTCA
AGGTCATGATGCAGTTCATGGTTCCAAATCAATGAATATATTTGGAGGCTTTCCGCAGATGGTAAAGGA
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AAGTTCTGGGCTTATGAACAGTACAAGAAGTTGCTTACCGAGGAAGGACAAAAATTAGGGACCTTTGAGA
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CCGGCTAGCTGTAGCCAAAACCTGGACAATACTCCGGAATATACGGTTGTGCCAAGAAGATTTTGAACAC
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CGTGATGGTGTGCTGAGCTGTGGAGCCATCCAGCACCTGTGGGCAGCTGGCCAGCTACCCCTGGCT
TTGGTGAGAACTCGCATGCAGGCTCAAGCCACGGTAGAAGGAGCCCCGAGCTGAGCATGGTTGGCCTTT
TTCAGCGAATCGTCTCAAAGAAGGAGTGTGAGACTTTACAGAGGCATCACCCAAACTTCATGAAAGT
GCTCCCGCCGTGGGCATCAGCTATGTGGTGTATGAAAAATGAAGCAGACCTGGGAGTAGCTCAGAAG
TGACCAGTCCAAGCCTTTGCTTTTCTGTGGTGACCGAGACTGTCAGTGTCTCCAGTGACTCTGGGGTT
GCATCAAGTCTATCACAAGGAAGCTGTTTGCCTCGCCAAAGGGAAGAGTGTAGCCGTGATCACTACAAG
CCTTTGGGTTTCACTTTACCTTCAGCGATGCTCTGAATCGTAGTTCAGTAAGTGAAGAAACCAAAA
ATTGACTGTATTTTGTGATAGAGATCTCTGCCCTGCACCCTAAATCTGAAAAATGACTGGCTTGAGA
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TTTTCTTTTACCCAAACTTTAAAAAATCAAAAATGATCAGAAAGCCTCAGGACTTAAATTTGTTAAT
ATATTTAGATGTCTTTGTAGATGTAAAAGTCCCAACAGAGACATTAGTAGAAAAATCACTATATTTCAA
AGTCTACTTTGCACAGTTTATCTCCTCATCTGTAAGCAGAAATAGGAATGAATTATAGAAGGCACATTCAG
CGACAGGAGCCGTGAGGTAATGCTTATTTCAAGTGGGCATGCTTCTTTCTACTTGCCTGCTGTTTGGCC
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CAGTAATCTGAAACTGCCCTTCTCCTACTTGAGTGTCAAGTTCAGGTAATAAACCTTGTTTCCCTCTT
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TAGTAGTATATATTCATCTACCTGTTTTAATGAAAGGCTCAATCTGCATAATATTCATCTACATATTCAC
TTGCCTCAAGATTTAGGAAGATGACAGAAAAATTTGTAATATCAAGAGCATTTCCTTTTTTAAACTAAAG
CTGATTTTGTAGTCTTTTATGATTTATTTTAAACTTAGAAAAATATTATTTTTTCTATAAAGAAGATGTT
TGATAGTCTTAGCCTGGCAATATTGGCAGATGCCTTTAGTTCAGCACTCAGGAGGCAGAGGTGGGCATA
TCTCTGAGTTTGGGCCAGCCTGGTCTACAGAGAGAGTTCAGGGCAGCTAGGGGCACACAGAGAAACCC
TGTCTCCAAAACAAGACAACCCCAACCAAAACAAAAAGATAGTTTTAATGTTTTAAGATTTAGTCCATAT
ACTCATTGGTTTCTGGTAATTTCTATATAGTTGCTTTCTGAAAAGTCTAGTGAAAATCTTTACCTTTAA
ACCTACCTACCTCTTTCATTTTTTGAACCAAGAGAAAGATGGCCTGTGTTTATGAAACTTATTCTAAAA
CACAGCTTGGTTTGTACTACGGATGCCTGCATTGCTTGGTATTTTTGTACTATAAAGAAAGGAGGGG
ACTCTGCTTCATCTCGGGTATTGATTTTTGGAGTAATACCTAGAATGACAATATTAAGTACATGAT
TCACACCTTTTTTAAATGTGTAACAATATGGAATGCATATTACTGTTAATGTCTTTGGAATTTTAAAG
TTGATAAAAACCTATGAAATGGCTATACTTCATTATGAAATTGAATCGTCTCCAGTGAACATGTGTAAG
GTATGACTGATTTATCTGTACATCTGTATCTTTTTGGGGAAAAAACCTCCTATTGAACACAGCTTAT
TCTGATATTGCTACATAGTCACTGCTCATTGTATTAATATATTTGTCTGTTTTAAAAAAAAAAAAA AAAAA

Restriction Sites:

RsrII-NotI

ACCN:	NM_172685
Insert Size:	1428 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC055369 , AAH55369
RefSeq Size:	3435 bp
RefSeq ORF:	1428 bp
Locus ID:	229731
UniProt ID:	Q8BMD8
Cytogenetics:	3 F3
Gene Summary:	Calcium-dependent mitochondrial solute carrier. Mediates the reversible, electroneutral exchange of Mg-ATP or Mg-ADP against phosphate ions, catalyzing the net uptake or efflux of adenine nucleotides across the mitochondrial inner membrane. Nucleotide transport is inactive when cytosolic calcium levels are low, and is activated by an increase in cytosolic calcium levels. May play a role in protecting cells against oxidative stress-induced cell death, probably by promoting the formation of calcium-phosphate precipitates in the mitochondrial matrix, and thereby buffering calcium levels in the mitochondrial matrix (By similarity). [UniProtKB/Swiss-Prot Function]