

Product datasheet for MC200440

Slc25a11 (NM_024211) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a11 (NM_024211) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc25a11
Synonyms:	2oxoc; 2310022P18Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC003455 sequence for NM_024211 CCTGCGCCCGCCAGCTTCCAGCTGGAGCCAGATTTGCCTGTGCGGAGGGGCGTGC GCGCGCGCCCTC ACCTGTGCGCGCTGGTGTACCTTTGGCGCGAGCGGGCTGTACGTGCACGGGACCCAAAGCCGAGGG CCATCAAGGGGCGATGGCGGCGACGCGAGTCCTGGGGCTGGCCGGATGGACGGGAAACCCGTACTCTC CCTAAGTCTGTCAAGTTCCTGTTTGGGGCCTGGCTGGGATGGGTGCTACAGTCTTTGTGCAGCCCTGG ACCTGGTGAAGAACCGGATGCAGTTGAGTGGTGAAGGGCCAAGACTCGAGAGTACAAAACAGTTTCCA TGCCCTCACCAGCATCCTGAAGACAGAAGGCCTGAAGGGCATTACACTGGGCTGTGAGTGGTCTACTG CGCCAGGCCACCTACACCACTACTCGCCTTGAATATATACTGTGTTGTTGAGCGCCTGACTGGGGCTG ATGGTACACCCCTGGCTTTCTTCTGAAAGCCCTGATTGGCATGACTGCAGGTGCAACTGGTGCATTTGT GGGAACGCCAGCTGAGGTGGCTCTCATCAGGATGACTGCTGATGGTGGCTTCCAGCTGACCAGCGCCGT GGCTACAAAAATGTGTTAATGCCCTAGTTAGGATTGCCAGGGAAGAAGGAGTCCCACACTGTGGCGGG GCTGCATCCCTACCATGGCTCGAGCTGTCGTTGTCAATGCCGCCAGCTTGCCTTCTACTCTCAATCTAA GCAGTTCTTGCTGGACTCAGGCTACTTCTCTGACAATATTCTCTGCCACTTCTGCGCCAGCATGATCAGT GGCCTCGTTACCACTGCTGCTTCCATGCCTGTGGACATCGTCAAACTAGGATCCAGAATATGCGGATGA TTGATGGGAAGCCAGAATACAAGAATGGCTGGATGTGCTGCTGAAAGTCGTCGCTATGAGGGTTTCTT CAGCCTGTGGAAGGGCTTACACCATACTATGCCCCGACTGGGCCCCACACTGTCTCACCTTCACTTCT TTGGAACAGATGAACAAGGCCTACAAGCGTCTCTCTCAGTGGCTGATCGGCATGGTCCCAGGACTAG TGTGCCAGGCTTCCAAGCCATCCACTGCTATTACAGTCGCTATGCCCTGGAGGACCTGGATTCTGCTACC CTGGGCTATTCTATTTATTTCCCTCTCAGTGTGGTTTTCTCCTTTGCGGTAAGAAGAACTAGTCTGTT TCCCCCTACTCCAGCCTGCCTGCTGTGCTTGCCTGATGCTTAGAATCACTTTGCCCTGGCTCTTCTCTGA GGAGACCTAAGACACACACCAAGGATTTCTAGTCTCTCTTGGGTGTTAGATTACAGGACACACCAGACAG CAGATCCCTCTCTGCGGAATCCAAGGCAGAGCTGAGGAGACAGGAGAAAGCAGAAGCTGTCAAGATGA CAAAGGTCTATGGTGAAGATGTGGCCTTCTCTCCCTGAGGACTTAATAAATTGGATTGAAATACCA AAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_024211



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Insert Size:	945 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:	BC003455 , AAH03455
RefSeq Size:	1555 bp
RefSeq ORF:	945 bp
Locus ID:	67863
UniProt ID:	Q9CR62
Cytogenetics:	11 43.21 cM
Gene Summary:	Catalyzes the transport of 2-oxoglutarate across the inner mitochondrial membrane in an electroneutral exchange for malate or other dicarboxylic acids, and plays an important role in several metabolic processes, including the malate-aspartate shuttle, the oxoglutarate/isocitrate shuttle, in gluconeogenesis from lactate, and in nitrogen metabolism (By similarity). Maintains mitochondrial fusion and fission events, and the organization and morphology of cristae (By similarity). Involved in the regulation of apoptosis (PubMed:21448454).[UniProtKB/Swiss-Prot Function]