

Product datasheet for MC203020

Slc25a28 (NM_145156) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc25a28 (NM_145156) Mouse Untagged Clone
Tag: Tag Free
Symbol: Slc25a28
Synonyms: 2210403D18Rik; Mfrn2; Mrs3/4
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC025908

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CCGGAGGCCCGGGCTCTCTGGGCCGCGCTGAGCGGACGCAACGGGGCCGGGGGGCGCGGCAGTGGT
GGCGGCAGCGGGCGCGCTGTGGCCGCGCGGCTGGCCGAAGTGGATGGAGTTGGAGGGCGGAGTGCAG
GCGGCGTGGCGGGAGGACCACTGCTGGGCCCGGGCGGAGCCCGGGGAGTCGGCCGCTGCTGGACGGGTG
GCTGCAGCGGGCGTGGGCCGGGGGCCGGCGGGGAGGCGGGGGCCTATCAGCCCCCTGTACGGCTG
GATCCGGAGTCCGGCCCGAATACGAAGCGCTGCCGGCTGGAGCCACTGTACCACGCACATGGTGGCGG
GCGCCGTGGCAGGGATCCTGGAGCATTGCGTGATGTACCCGATCGACTGCGTCAAGACCCGGATGCAGAG
CCTACAGCCTGACCCAGCCGCCCTATCGGAACGTGTTGGAGGCTCTTGAGAATCATGAGGACAGAG
GGCCTGTGGAGGCCATGCGGGGGCTGAACGTACAGCAACAGGCGGGGGCCTGCCACGCCCTCTATT
TTGCCTGTACGAAAAGTAAAAAAGACATTGAGTGACGTAATCCACCCAGGGGGCAATAGCCATATTGC
CAATGGTGCAGCCGGATGTGTGGCGACATTACTTCATGATGCAGCCATGAATCCAGCGGAAGTCGTCAAG
CAGAGGATGCAGATGTACAACCTGCCGTACCACCGGTGACAGACTGTGTTCCGGCAGTGTGGCAAATG
AAGGGGCCGGGGCCTTTTACCGCAGCTACACGACCCAGCTGACCATGAATGTCCCTTCCAAGCCATTCA
CTTCATGACCTATGAGTTCCTGCAAGAGCACTTAACCCCCAGAGACGGTACAACCCAGCTCCCATGTG
CTCTGTGGGGCCTGCGCAGGAGCAGTAGCTGCCGCCGCCACAACCCCACTGGACGTTTGTAAAACACTGC
TCAACACCCAGGAATCCCTGGCTTTGAACTCAAACATTACTGGACACATCACAGGCATGGCTAGTGCCTT
CAGGACGGTCTATCAAGTAGGCGGGGTGACTGCTTACTCCGAGGGGTGCAGGCCAGAGTCATTTACCAG
AATGGAGGGCAGGCAAGTGAAGGGATGCTGAGTGGACAGGGTCCGACCCGACGGCTGCATCCTGCCCTT
CCAGCACATTCTCTGGCTGCTGGCACACTCCAGTCTCAAGAGGAGTTGGAAGGAGGAGAGAGCTTGCTC
CAGGCTGTAGTTGGCTAACACTAGTTCTTGCCAACATCTGTCCGCACTGTTGTCTTTCTTCTGGGCTCT
CTGCAAGTTGAGCAAAGCCACCGCAGTACCTCTGCCACCGTCTCCACCCTGGGCTGGCGACCTGCTCT
AGACTGATGCAGAGGATAAGCAGCGCATCCCTGGTTCCTAATTAAGAAAGAAAAAGCCTTTAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: RsrII-NotI



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ACCN:	NM_145156
Insert Size:	1095 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:	BC025908 , AAH25908
RefSeq Size:	1569 bp
RefSeq ORF:	1095 bp
Locus ID:	246696
UniProt ID:	Q8R0Z5
Cytogenetics:	19 36.67 cM
Gene Summary:	<p>Mitochondrial iron transporter that mediates iron uptake. Probably required for heme synthesis of hemoproteins and Fe-S cluster assembly in non-erythroid cells. The iron delivered into the mitochondria, presumably as Fe(2+), is then probably delivered to ferrochelatase to catalyze Fe(2+) incorporation into protoporphyrin IX to make heme (Probable).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>