

Product datasheet for MC210605

Slc25a37 (NM_026331) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc25a37 (NM_026331) Mouse Untagged Clone
Tag: Tag Free
Symbol: Slc25a37
Synonyms: 1700020E22Rik; 4930513O14Rik; 4930526G11Rik; AI848481; C330015G08Rik; frascati; Mfrn
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210605 representing NM_026331
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCTCCGCCGTGGCGCGTGGGAACCAGGCTGCGGGCCGGAGGATGGATGGGACTGCCCGGATG
 GCGGCTGCGGCAGCAAGGACGCCGGTTCGAGGACTACGAGAACCCTACCGACCAGCGCCTCGGTGCCAC
 CCACATGACAGCGGGAGCGATGGCCGGGATTCTGGAGCACTCCATCATGTACCCGGTGGACTCCGTGAAG
 ACACGGATGCAGAGTTTGAATCCAGATCCCAAAGCCCGGTATACAAGCATCTATGGCGCCCTCAAGAGGA
 TCATGCACACTGAAGGCTTCTGGAGGCCCTGCGGGCCCTGAACGTGATGATGATGGGTGCAGGGCCCGC
 GCACGCCATGTATTTGCCTGCTATGAAAACATGAAAAGGACTTTAAATGACGTTTTTCAGCCACCAAGGA
 AACAGCCATCTAGCTAATGGGTAGCTGGGAGTATGGCCACCCTACTCCACGATGCAGTAATGAATCCAG
 CAGAAGTGGTGAACAGCGCTTACAGATGTACAACCTCCAGCACCAGTCAGCCTCAGTTGTATCCGGAC
 AGTGTGGCGGACCGAGGGGTTGGGGCCTTCTACAGGAGTTACACCACACAGCTGACCATGAATATCCCC
 TTCCAGTCAATTCATTCATCACCTATGAGTTTCTGCAGGAGCAAGTCAACCCTCGCCGGGACTACAACC
 CACAGTCTCACATCATCTCAGGAGGCCTGGCCGGGCACTGGCCGCAGCTGCCACCACCCCGCTGGACGT
 CTGCAAAACCCTCCTCAACAGCAGGAGAACATGGCTCTCTCCCTGGCCAACGTACAGCGCCGCTGTCTG
 GGATGGCCAATGCCTTCCGGACGGTGTACCAGCTCAACGGCCTTGGCCGCTATTTCAAAGGCATCCAGG
 CTCGAGTCATCTACCAGATGCCTTCCACCGCCATCTCCTGGTCCGTTTATGAGTTCTTCAAGTACATCCT
 TACAAAGAGGCAGCTGGAGAATCGAACTCTGTACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_026331



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Insert Size:	1017 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:	NM_026331.3 , NP_080607.2
RefSeq Size:	4162 bp
RefSeq ORF:	1017 bp
Locus ID:	67712
UniProt ID:	Q920G8
Cytogenetics:	14 D2
Gene Summary:	Mitochondrial iron transporter that specifically mediates iron uptake in developing erythroid cells, thereby playing an essential role in heme biosynthesis. 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.[UniProtKB/Swiss-Prot Function]