

## Product datasheet for RN206005

### Slc25a37 (NM\_001013996) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a37 (NM_001013996) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc25a37
Synonyms:	Mscp; RGD1359361
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN206005 representing NM_001013996 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGCTCCGCCGTGGCGCGTGGGGAGCCAGGCTGCCGGCCGGAGGATGGATGGGGACTGCCCGGATG  
GCGGCTGCGGCAGCAAGGACGCCGGTTCGGAGGACTATGAGAACCTACCGACCAGTGCCTCGGTGCCAC  
CCACATGACAGCGGGAGCGATGGCCGGATTCTGGAGCACTCCATCATGTACCCGGTGGACTCCGTGAAG  
ACACGGATGCAGAGTTTGAACCCAGATCCCAAAGCCCGGTATACAAGCATCTATGGCGCCCTCAAGAGGA  
TCATGCACACTGAAGGCTTCTGGAGGCCCTGCCGGCCCTGAACGTGATGATGATGGGTGCGGGCCTGC  
GCACGCCATGATTTTGCCTGCTATGAAAACATGAAAAGGACTTTAAATGACGTTTTCAAGCCACCAAGGA  
AACAGCCATCTAGCTAATGGGATAGCTGGGAGTATGGCCACCCTACTCCACGATGCAGTAATGAATCCAG  
CAGAAGTGGTGAACAGCGATTGCAGATGTACAACCTCACAGCACCAGTCAGCCCTCAGTTGTATCCGGAC  
AGTGTGGAGGACCGAGGGTGGGGCCTTCTACAGGAGTTACACCACACAGCTGACCATGAACATCCCC  
TTCCAATCTATCCAATTCATCACCTATGAGTTTCTGCAGGAGCAAGTCAACCCTCGCCGGGACTATAACC  
CACAGTCTCACATCATCTCAGGAGGCCCTGGCCGGTGGCTGGCTGCAGCTGCCACCACCCCGCTGGATGT  
CTGCAAGACCCTCCTCAACACGCAGGAGAACATGGCACTCTCCCTAGCTAATGTCAAGTGGCCGGCTGTCA  
GGCATGGCCAATGCCTTCCGGACGGTGTACCAGCTCAACGGCCTTGGTGGTACTTCAAAGGCATTGAGG  
CTCGAGTCATCTACCAGATGCCTTCCACCGCCATCTCCTGGTCTGTTTATGAGTTCTTCAAGTATTTCT  
TACGAAGCGGCAGCTGGAGAATCGAACTCTGTACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_001013996
<b>Insert Size:</b>	1017 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001013996.1</a></u> , <u><a href="#">NP_001014018.1</a></u>
<b>RefSeq Size:</b>	1604 bp
<b>RefSeq ORF:</b>	1017 bp
<b>Locus ID:</b>	306000
<b>UniProt ID:</b>	<u><a href="#">Q66H23</a></u>
<b>Cytogenetics:</b>	15p11
<b>Gene Summary:</b>	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 (By similarity).[UniProtKB/Swiss-Prot Function]