

Product datasheet for MC210190

Slc22a17 (NM_021551) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc22a17 (NM_021551) Mouse Untagged Clone
Tag: Tag Free
Symbol: Slc22a17
Synonyms: 24p3R; 1700094C23Rik; AU041908; AW555662; Boct; BOIT
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210190 representing NM_021551
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCATCGCCAGGTTGGCCGTCGTGGGATTGTGCTGCTGACCTTGGGGCTTGTGGTCCCTGTGGAG
 TGGGAGGAGCTGCTGCAGGCTCCTACAGGCATTATGGCTCTTCGGTTTCTCTGGGCTTCTCTGCTAGC
 TGGTGTGACCTTGGTGTCTACCTGATGCGCCTGGAGCTGTGCGACCCAACCCAGAGGCTTCGGGTGCC
 CTGGCAGGGGAGTTGGTAGGGGTGGGAGGGCACTTCTGTTCCTGGCCCTGGCCCTTGTCTTAAGGACT
 GCGGATTTCTACAGCAATGATCACCGCTCCCTGCATCCTCTTCTGTTTATGGCTGGCCCTGGTCTGTT
 TCTGGAGTCTGCACGGTGGCTGATAGTGAAGCGGCAGATTGAGGAAGCCAGTCTGTGCTGAGGATCCTG
 GCTGAGCGAAACCGGCCCATGGGCAGATGCTGGGAGAAGAGGCCAGGAAGCTTTCAGGAACTGGAGA
 ATACCTGTCTCTCCCTGCAACGTCCACCTTTTCTTTGCGTCCCTCCTCAACTACCGCAACATCTGGAA
 AAATCTGCTTATCCTGGGCTTACCAACTTTATGCCCCATGCCATTCCGCACTGCTACCAGCCTGTGGGA
 GGAGGAGGCAGCCATCAGACTTCTACTTGTGCTCTCTGCTGGCCAGTGGCACAGCCGCCCTGGCCTGTG
 TCTTCTGGGGGTGACTGTGGACCGTTTTGGCCGTCGGGGCATCTGCTTCTCTCAATGACTCTCACGGG
 GATTGCATCCCTGGTCTGCTGGGCTGTGGGATTATCTGAACGATGCTGCCATCACAACCTTCTCTGTG
 CTTGGCCTCTTCTCCTCCAAGCTTCTGCTATCCTCAGTACCCTCCTTGTCTCTGAAGTCATCCCCACCA
 CTGTCCGCGGCCGTGGCCTGGGCCTTATCATGGCACTTGGGGCGCTCGGGGGGCTGAGCTGTCCAGCTCA
 GCGCCTCCACATGGGCCATGGAGCCTTCTGCAGCATGTGGTACTGGCGGCTGTGCCCTCCTCTGTATC
 CTCAGCATCATGCTGTTGCCAGAGACCAAGCGCAAGCTTCTGCCAGAGGTAATCCGGGATGGGAACTGT
 GCCGCCGCCCTCCCTGCTGAGGCAGCCACCTCCTAACCGCTGTGACCATGTCCCCTGCTAGCCACTCC
 TAACCCTGCCCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_021551
Insert Size:	1206 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_021551.4 , NP_067526.2
RefSeq Size:	2294 bp
RefSeq ORF:	1206 bp
Locus ID:	59049
UniProt ID:	Q9D9E0
Cytogenetics:	14 C2
Gene Summary:	Cell surface receptor for LCN2 (24p3) that plays a key role in iron homeostasis and transport. Able to bind iron-bound LCN2 (holo-24p3), followed by internalization of holo-24p3 and release of iron, thereby increasing intracellular iron concentration and leading to inhibition of apoptosis. Also binds iron-free LCN2 (apo-24p3), followed by internalization of apo-24p3 and its association with an intracellular siderophore, leading to iron chelation and iron transfer to the extracellular medium, thereby reducing intracellular iron concentration and resulting in apoptosis.[UniProtKB/Swiss-Prot Function]