

Product datasheet for **MC210635**

S100a16 (NM_026416) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: S100a16 (NM_026416) Mouse Untagged Clone
Tag: Tag Free
Symbol: S100a16
Synonyms: 2300002L21Rik; AI325039; AI663996; DT1P1A7; S100F
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210635 representing NM_026416
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGACTGCTATACAGAGCTGGAGAAGGCAGTTGTTGTCCTGGTGGAAAACCTTTATAAATATGTAT
CCAAGCACAGCCTGGTCAAAAACAAGATCAGCAAGTCCAGCTCCGAAAGATGCTCCAGAGAGAGTTGAA
CCACATGCTGACGGACACAGGAAACCGAAAGGCAGCTGACAAGCTCATCCAGAACCTGGATGCCAACCCAC
GACGGGGCATCTGCTTTGACGAATACTGGACCATGATTGGTGGAAATCACCAGCCCCATGGCCAACCTCA
TCCGCCAACAGGAGTGCCAGCAGGAGAGCCAGCAGGAGTGCCAGCAGGAGAGCCAGCAGGAGAGCCAGCA
GGAGAGCCAGCAGGGCAGCAGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_026416
Insert Size: 375 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:

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_026416.2](#), [NP_080692.1](#)

RefSeq Size: 1091 bp

RefSeq ORF: 375 bp

Locus ID: 67860

UniProt ID: [Q9D708](#)

Cytogenetics: 3 F1

Gene Summary: Calcium-binding protein. Binds one calcium ion per monomer (PubMed:17030513). Can promote differentiation of adipocytes (in vitro). Overexpression in 3T3-L1 preadipocytes increases their proliferation, enhances adipogenesis and reduces insulin-stimulated glucose uptake (PubMed:21266506, PubMed:23526364).[UniProtKB/Swiss-Prot Function]