

Product datasheet for **MC209345**

S100a3 (NM_011310) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: S100a3 (NM_011310) Mouse Untagged Clone
Tag: Tag Free
Symbol: S100a3
Synonyms: S100E
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209345 representing NM_011310
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCCGGCCCTGGAGCAGGCAGTAGCTGCCATCGTGTGCACCTCCAGGAGTATGCAGGGCGCTGTG
GGGATAAATAACAAGATCTGCCAGTCGGAGCTCAAGGAGTTGTTGCAGAAGGAGCTGCCACCTGGACGCC
GAGTGAGTTCGGGAGTGTGACTACAATAAATTCATGAGTGTCTGGATACCAACAAAGACTGCGAAGTG
GACTTTGGGGAGTACGTGCGCTCACTTGCCAGCCTCTGTCTCTACTGCCACGAGTACTTCAAAGAGTGCC
CCCTGAGCCTCCTTGCCCCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_011310

Insert Size: 306 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).



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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_011310.2](#), [NP_035440.1](#)

RefSeq Size: 712 bp

RefSeq ORF: 306 bp

Locus ID: 20197

UniProt ID: [P62818](#)

Cytogenetics: 3 39.26 cM

Gene Summary: Binds both calcium and zinc. May be involved in calcium-dependent cuticle cell differentiation, hair shaft and hair cuticular barrier formation (By similarity).[UniProtKB/Swiss-Prot Function]