

Product datasheet for MR219009

S100a11 (NM_016740) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: S100a11 (NM_016740) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: S100a11
Synonyms: cal; Emap1; EMAP1; S100a14; S100c
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR219009 representing NM_016740
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTACAGAGACTGAGAGATGCATTGAGTCCCTGATTGCTGTTTTCCAAAAGTACAGCGGGAAGGATG
GAAACAACACTCAACTCTCCAAACTGAATTCCTTTCCTTCATGAACACAGAGCTGGCTGCCTTCACAAA
GAACCAGAAGGATCCTGGTGTCTTGACCGCATGATGAAGAAGCTGGACCTCAACTGTGACGGGCAGCTA
GATTTCCAAGAGTTTCTCAACCTCATTGGTGGCTTAGCTATAGCGTGCCATGATTCTTTCATCCAAACT
CCAGAAGCGAATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/mm9050_d09.zip
Restriction Sites: Sgfl-Mlul



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Cloning Scheme:


ACCN: NM_016740

ORF Size: 294 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

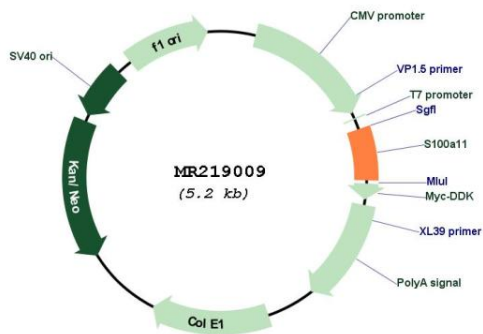
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_016740.3, NP_058020.1</u>
RefSeq Size:	504 bp
RefSeq ORF:	297 bp
Locus ID:	20195
UniProt ID:	<u>P50543</u>
Cytogenetics:	3 F2.1
MW:	11.5 kDa
Gene Summary:	Facilitates the differentiation and the cornification of keratinocytes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219009