

Product datasheet for **MC211886**

Skap1 (NM_001177899) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Skap1 (NM_001177899) Mouse Untagged Clone
Tag: Tag Free
Symbol: Skap1
Synonyms: 1700091G21Rik; Scap1; Skap-55
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211886 representing NM_001177899
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAGGCTGTCGCCCTCCGGAGGAGATCTGTTGGCTCCTGGAAGATACCGAAGACTTCCTGGCAGAAG
GCTTGCAGAAATGAGAACCTCAGCCCTGGGGCACAGGATCAGAGAGCCACATTCTCGGGGTTCCAGCA
AATCAAATCCAGTACTGTTGGGATTTTCAGCCCAAGGAGGTGACCTTGGCCAGGACGGCTCTGATGAC
AATCTGAGTGGGACTCAGGGCCACCCCTCACGTGAGAAGCATCCTTTGGTCTGATTATCAGGACGAGG
GAATAGAGACATCTTAAGAGGGCTCAAGAGCTGGATAGCGTCATCAAGCAAGGGTACCTGGAGAAGAA
AAGCAAAGATCATAGCTTCTTTGGGTCGGAGTGGCAGAAGCGCTGGTGTGTTATCAGCAGAGGGCTCTTC
CTCTACTATGCTAATGAGAAAAGCAAGCAGCCAAAGGGACCTTCCTCATTAAAGGGCTACAGTGTCCGGA
TGGCCCTCACCTGCGAAAAGATTCCAAGAAAGAATCCTGCTTTGAACTGATCTCCAGGATAGGCGCAG
CTATGAGTTTACAGCTTCTAGTCCAGCTGAAGCCAGAGACTGGGTGGATCAAATAAGTTTCTTGTAAAA
GATCTTAGCTCCTTAACCATTCCCTTCGAAGAGGAGGAGGAGGAAGAGGAGGAAGAAGAGAAAGAAGAGG
AAGAAATGTACAATGACGTCGATGGCTTTGACTCCCCAAGTCTGGCTCCAGTGCAGAGCCATGGCCTT
GCCTGAGCCTACTGAGAAAGAGGAGGACATTTATGAAGTCTACCAGTGGACTATGCCGATTATTACCAG
GGCCTATGGGATTGCCATGGTGACCAGCCGGATGAACTGTCTTCCAACGGGGTACCTCATCCGCATTC
TGAGCAAGGAGTACAACATGTACGGCTGGTGGGTAGGAGAGCTGAACAGCGTCATTGGAATTGTTCCAAA
GGACTATCTACCACCGCCTTTGAAATGGAAGGAAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001177899



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Insert Size:	1020 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:	<u>NM_001177899.1</u> , <u>NP_001171370.1</u>
RefSeq Size:	2142 bp
RefSeq ORF:	1020 bp
Locus ID:	78473
UniProt ID:	<u>Q3UUV5</u>
Cytogenetics:	11 D
Gene Summary:	<p>Positively regulates T-cell receptor signaling by enhancing the MAP kinase pathway. Required for optimal conjugation between T-cells and antigen-presenting cells by promoting the clustering of integrin ITGAL on the surface of T-cells. May be involved in high affinity immunoglobulin epsilon receptor signaling in mast cells (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an alternate, in-frame exon, compared to variant 1. The resulting protein (isoform 3) is shorter when it is compared to isoform 1.</p>