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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC211886 representing NM_001177899
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGGCTGTCGCCCTCCCGGAGGAGATCTGTTGGCTCCTGGAAGATACCGAAGACTTCCTGGCAGAAG
GCTTGCAGAATGAGAACCTCAGCCCTGGGGCACAGGATCAGAGAGCCCACATTCTTCGGGGTTTCCAGCA
AATCAAATCCAGGTACTGTTGGGATTTTCAGCCCCAAGGAGGTGACCTTGGCCAGGACGGCTCTGATGAC
AATCTGAGTGGGACTCACGGCCCACCCCTCACGTCAGAAGCATCCTTTTGGTCAGATTATCAGGACGAGG
GAATAGAAGACATCTTAAGAGGGGCTCAAGAGCTGGATAGCGTCATCAAGCAAGGGTACCTGGAGAAGAA
AAGCAAAGATCATAGCTTCTTTGGGTCGGAGTGGCAGAAGCGCTGGTGTGTTATCAGCAGAGGGCTCTTC
CTCTACTATGCTAATGAGAAAAGCAAGCAGCCCAAAGGGACCTTCCTCATTAAGGGCTACAGTGTCCGGA
TGGCCCCTCACCTGCGAAAAGATTCCAAGAAAGAATCCTGCTTTGAACTGATCTCCCAGGATAGGCGCAG
CTATGAGTTTACAGCTTCTAGTCCAGCTGAAGCCAGAGACTGGGTGGATCAAATAAGTTTCTTGTTAAAA
GATCTTAGCTCCTTAACCATTCCCTTCGAAGAGGAGGAGGAGGAAGAGGAGGAAGAAGAGAAAGAAGAGG
AAGAAATGTACAATGACGTCGATGGCTTTGACTCCCCAAGGTCTGGCTCCCAGTGCAGAGCCATGGCCTT
GCCTGAGCCTACTGAGAAAGAGGAGGACATTTATGAAGTCCTACCAGTGGACTATGCCGATTATTACCAG
GGCCTATGGGATTGCCATGGTGACCAGCCGGATGAACTGTCCTTCCAACGGGGTGACCTCATCCGCATTC
TGAGCAAGGAGTACAACATGTACGGCTGGTGGGTAGGAGAGCTGAACAGCGTCATTGGAATTGTTCCAAA
GGACTATCTCACCACCGCCTTTGAAATGGAAGGAATATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-MluI

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ACCN:	NM_001177899
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:	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_001177899.1, NP_001171370.1
RefSeq Size:	2142 bp
RefSeq ORF:	1020 bp
Locus ID:	78473
UniProt ID:	Q3UUV5
Cytogenetics:	11 D
Gene Summary:	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] 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.

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