

Product datasheet for MR217012

Scimp (NM_001045526) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Scimp (NM_001045526) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Scimp
Synonyms: A430084P05Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR217012 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGTTGGTGGAGGGACAACCTCTGGATCATCTTAGCTATGTCCATCATCTTCATCTCCCTGGTCTGG
GTCTCATCTGTACTGTCTGCAGGTGGCAGCTTAGACAAGGCAGGAAGTGGGAAATTGCTAAGCCCTC
AAAACAGGATGGAAGAGATGAAGAAAAGATGTATGAGAATGTTCTTAATTCCTCACCAGGCCAGTTACCT
GCTCTGCCACCCAGGGTTCACCTTTTCCAGGAGACCTAGCCCCACAGGAAGCTCCAAGACAACCCCTCAG
CTTGACTCATCAGTGAAGAAAGTTAGGAACAAGAAGTCTTTGCTATCTCGGGCTCCACCGAGCCAGA
AAATGATTATGATGATGTTGAGATTCAGCAACCACCGAAACCCAGCACTCTAAAACACACCTTTTGG
CAAGCTGAAGTGGTTTACACAGCTCGTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217012 protein sequence
Red=Cloning site Green=Tags(s)

MSWWRDNFWIILAMSIIIFISLVLGLILYCVCRWQLRQGRNWEIAKPSKQDGRDEEKMYENVLNSSPGQLP
ALPPRGSFPFGLAPQEAPRQPSAWYSSVKVRNKKVFAISGSTSTEPENDYDDVEIPATTETQHSKTFPFW
QAEVGLHSSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001045526

ORF Size: 453 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: [NM_001045526.2](#), [NP_001038991.1](#)

RefSeq Size: 1055 bp

RefSeq ORF: 453 bp

Locus ID: 327957

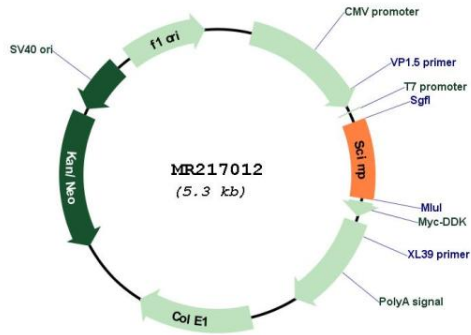
UniProt ID: [Q3UU41](#)

Cytogenetics: 11 B3

MW: 17.1 kDa

Gene Summary: Lipid tetraspanin-associated transmembrane adapter/mediator involved in major histocompatibility complex class II (MHC-II) signaling transduction. Required in generating the calcium response and enhancing ERK activity upon MHC-II stimulation (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217012