

## Product datasheet for **MG217012**

### Scimp (NM\_001045526) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Scimp (NM\_001045526) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Scimp  
**Synonyms:** A430084P05Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG217012 representing NM\_001045526  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTTGGTGGAGGGACAACCTCTGGATCATCTTAGCTATGTCCATCATCTTCATCTCCCTGGTCTGG  
GTCTCATCTGTACTGTGTCTGCAGGTGGCAGCTTAGACAAGGCAGGAACGGGAAATTGCTAAGCCCTC  
AAACAGGATGGAAGAGATGAAGAAAAGATGTATGAGAATGTTCTTAATTCCTCACCAGGCCAGTTACCT  
GCTCTGCCACCCAGGGTTCACCTTTCCAGGAGACCTAGCCCCACAGGAAGCTCAAGACAACCCCTCAG  
CTTGGTACTCATCAGTGAAGAAAGTTAGGAACAAGAAGGCTTTTGCTATCTCGGGCTCCACCGAGCCAGA  
AAATGATTATGATGATGTTGAGATTCAGCAACCACCGAAACCCAGCACTCTAAAACACACCTTTTGG  
CAAGCTGAAGTGGTTTACACAGCTCGTTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG217012 representing NM\_001045526  
Red=Cloning site Green=Tags(s)

MSWWRDNFWIILAMSIIIFISLVLGLILYCVCRWQLRQGRNWEIAKPSKQDGRDEEKMYENVLNSSPGQLP  
ALPPRGSPFPGLAPQEAPRQPSAWYSSVKVVRNKKVFAISGSTEPENDYDDVEIPATTETQHSKTPFW  
QAEVGLHSSF

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001045526.2, NP_001038991.1</u>
<b>RefSeq Size:</b>	1055 bp
<b>RefSeq ORF:</b>	453 bp
<b>Locus ID:</b>	327957
<b>UniProt ID:</b>	<u>Q3UU41</u>
<b>Cytogenetics:</b>	11 B3
<b>Gene Summary:</b>	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]