

Product datasheet for **MG207327**

SImap (BC021457) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SImap (BC021457) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SImap
Synonyms:	KIAA1601, mKIAA1601
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207327 representing BC021457
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAAGAAAAAGAACAGAGCTCCAGGCAAAAATCGAAGCTTTGCAAGCTGATAACGACTTCACCAATG
 AAAGGCTGACAGCTCTGCAAGTACGGTTAGAACACCTGCAGGAGAAAACCCTTAAAGAATGCAGCAGCTT
 AGAGAAGCTGATGGTCCAAGGGCATCTAACCAAAGTGGTAGAAGAATCAAAGCTTTCAAAAGAAAATCAG
 GCAAAAGCAAAGGAATCCGACTTATCAGACACTCTGAGTCCAAGCAAGGAAAAAGCAGCGACGACACTA
 CAGACGCCAGATGGATGAGCAAGACCTAAATGAACCCCTTGCTAAGGTGTCTCTATTAAGATGACTT
 ACAGGGTACCCAGTCAGAACTGAGGCCAAACAAGACATTCAGCATCTTCGCAAAGAATTGGTGGAAGCC
 CAGGAGCTAGCTAGAACAAAGTAAACAAAATGCTTTGAACCTCAAGCTCTTTGGAAGAAGAACGAAAAG
 CCTATCGAAATCAAGTTGAAGAATCAGCTAAACAAATACAGGTTCTTCAAGTCCAGCTGCAGAAGTTACA
 CATGGACATGGAGAATCTCCAGGAGGAAAAGGACACGGAATCTCCAGCACAAGAGATAAATTGCTTAGT
 GCCCAAGATGAGATTTTCTCTTCGTCAGCAGCAGCAGAGGCTGTGTCTGAGCGGGACACTGACTTTG
 TTTCTTTGCAAGAAGAGCTTAAGAAGGTGAGAGCGGAGCTTGAGGGCTGGAGGAAAGCAGCGTCTGAATA
 CGAAGATGAATCAGAAGTCTGCAGAGCAGCTTCAGCTTAGATGTGAGCAGTGTGAAGACCAGCAAAGG
 GAGGAGGCAACAAGGTTGCAAGGTGAGCTGGAGAAGTTGAAGAAGGAGTGGGATGTACTGAAACGGAAT
 GCCATTCTCTAAAAAGGAGAACGTGTTGTTGTCTTCAGAACTGCAGCGACAAGAGAAAGAAATTGCACAA
 TTCTCAGAAGCAGAGTTTTGAACACAGAGTGACCTCAGCATCTTCAGATGACTAGGAAAGAGCTGGAG
 AAGCAAGTGGGATCCTTGAAAGAACACACCTTCGGGATGCAGCTGACCTAAAACTCTCCTCAGTAAGG
 CTGAAAACCAAGCAAAGGATGTACAGAAAGAGTATGAAAAGACACAGACTGTTCTCTCAGAACTGAAGTT
 GAAGTTTGAAATGACTGAGCAGGAAAAGCAATCAATCACAGATGAGCTCAAACAGTGTAAGAGACAACCTG
 AAGCTGCTGCGAGAGAAAGGAAATAATAAACCTGGCCCTGGATGCCCATGTTGGCGGCCCTGGTTGCGG
 TGACAGCTATGGTGTGTATGTACCAGGTCTGGCCAGAGCTTCTCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207327 representing BC021457
 Red=Cloning site Green=Tags(s)

MEEKEQELQAKIEALQADNFTNERLTALQVRLEHLQEKLKECSSLEKLMVQGHLLTKVVEESKLSKENQ
 AKAKESDLSDTLSPSKEKSSDDTTDAQMDEQDLNEPLAKVSLKDDLQGTQSETEAKQDIQHLRKELVEA
 QELARTSKQKCFELQALLEEERKAYRNQVEESAKQIQVLQVQLQKLHMDMENLQEEKDTEISSTRDKLLS
 AQDEILLRQAAAEAVSERDTEFVSLQEELKKVRAELEGWRKAASEYENEIRSLQSSFQLRCQQCEDQQR
 EEATRLQGELEKLKKEWDVLETECHSLKKENVLLSSELQRQEKELHNSQKQSFELTSLSILQMTRKELE
 KQVGSLEQHLRDAADLKTLLSKAENQAKDVQKEYEKTQTVLSELKLKFEMTEQEQSITDELKQCKDNL
 KLLREKGNKPPWPMPMLAALVAVTAMVLYVPLARASP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC021457

ORF Size: 1377 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC021457](#), [AAH21457](#)

RefSeq Size: 3288 bp

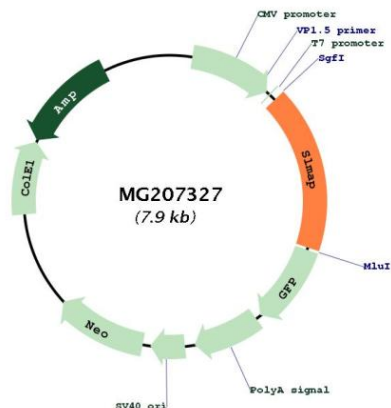
RefSeq ORF: 1379 bp

Locus ID: 83997

Cytogenetics: 14 A3

Gene Summary: May play a role during myoblast fusion.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207327