

Product datasheet for **MG220113**

Skint1 (NM_001102662) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Skint1 (NM_001102662) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Skint1
Synonyms: OTTMUSG00000008542; Skint-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220113 representing NM_001102662
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGATCCACAGGACTATGTTTTATGGACACTGTATTGTCATGTTCTTCTTCAGATGGTCACAGCAA
 GCTCAGAGCCATTTATAGTGAACGGCTTAGAGGGGCCAGTCTGGCTTCATTGGGTGAAACTTAGAACT
 CAGTTGTCAGTTGTCTCCACCACAACAAGCCAGCACATGGAGATTCGCTGGTCCGGAACCTCTATACA
 GAGCCTGTGCACCTGTACAGAGATGGCAAAGACATGTTTGGAGAAATTATCTCCAAGTATGTGGAACGTA
 CAGAACTCTAAAAGATGGGATTGGAGAAGGAAAGTGACCCTTAGGATCTTTAATGTGACTGTTGATGA
 TGATGGGTCTTACCACTGTGTGTTCAAAGATGGTGATTTCTATGAAGAGCACATAACAGAGGTCAAGATC
 ACAGCCATAAACTTACAGGTACAGATTCATGTGCACCCTCCTAATACCAAAGGTGTGATAGTGGAGTGTC
 ACTCTGGAGGTTGGTTCCACGACCTCTCATGCAATGGAGAGACAGAAGAGGGGAGGTCAATCCAGCTGC
 ATCAAAATCCCACTCACAGGGTAGAGACAACTGTTCAATATGAAGATATCCCTTCTCATTAGTGAAGC
 TTCTTCCAGAAAGTCATTTGTTGCTTTCAGAACCTCTAACAGGCCAAGAGGAAAGGACAAGTGTATTTC
 TATCAGATGCATTTTTTTCATGGAATAGGATTTGGAAAATGATTTCTGGGTATAATACTATCTATGATGGT
 GGTCTCTATCTTTGTTTTAGTTGTCTGCTACATCATGAGCATAAAGTTTGAAGTGAAGTGGGATGCT
 CCTTGGATAAAAGGATTATAAATGACATCTCTATGGTGACTGTTGTATTAGTCAAGTATTTAC
 ATATGAAACAAAAGAGTTCAGTTTCAGATGTACATTTTGAATTGGATACTTTGTGGGTGGAAGACATAAG
 TGTAATCCTGTGTTCACTGATGGTTCCTGCCACCATGCTTGTTCCTATACATATTTTCAGGTTGAAAGAC
 TGGTGCCAGCACAATCATGCTCAGAGAGTCTTCCACAGCAAC

ACCGTACCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220113 representing NM_001102662
 Red=Cloning site Green=Tags(s)

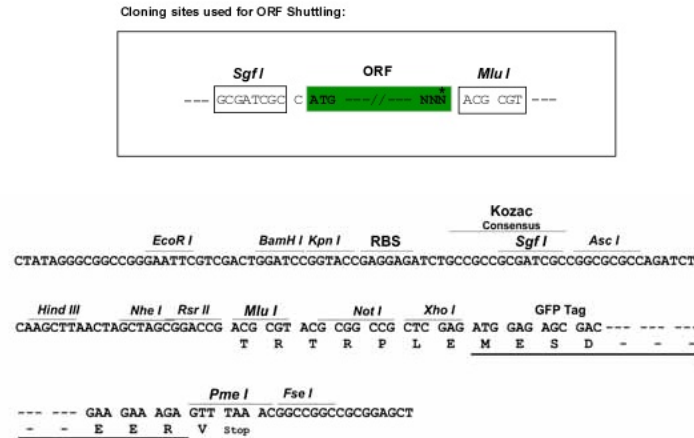
```

MGSTGLCFYGHCI VMFL LQMVTASSEPFIVNGLEGPV LASLGGNLEL SCQLSPPQQAQHMEIRWFRNLYT
EPVHL YRDGKDMFGEIISKYVERTELLKDGIGEGKVTLRIFNVTVDGGSYHCVFKDGFYEEHITVVKI
TAINLQVQIHVHPNNTKGVIVECHSGGWFP RPLMQWRDRRGEVIPAASKSHSQGRDKLFNMKISLLISES
FFQKVICCLQNPLT GQEERTSVILSDAFFSWNR IWKMILGIILSMMVVSIFVFSCLLHHEHKVCKWKWDA
PWIKGLLIMTSSMVTVVL VMVYLHMKQRVPVSDVHFELDTLWVEDISVILCSLMVPATMLVSYTYFRLKD
WCQHNAQRVFTSN
  
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001102662

ORF Size: 1092 bp

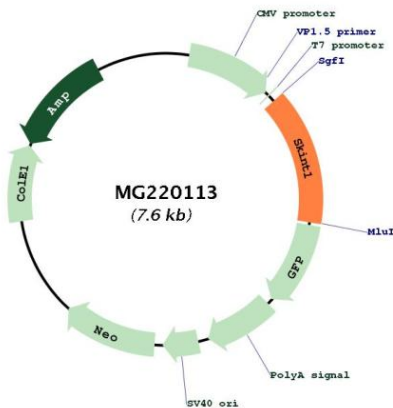
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001102662.1](#), [NP_001096132.1](#)
- RefSeq Size:** 1260 bp
- RefSeq ORF:** 1095 bp
- Locus ID:** 639781
- UniProt ID:** [A7TZE6](#)
- Cytogenetics:** 4 D1
- Gene Summary:** May act by engaging a cell surface molecule on immature T-cells in the embryonic thymus. Plays a central role in mediating key epithelial-immune interactions by being involved in the selection of Vgamma5(+)/delta1(+) T-cells, which constitute 90% of epidermal gammadelta T-cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG220113