

## Product datasheet for **MR220113**

### Skint1 (NM\_001102662) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Skint1 (NM\_001102662) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Skint1  
**Synonyms:** OTTMUSG00000008542; Skint-1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR220113 representing NM\_001102662  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGATCCACAGGACTATGTTTTATGGACACTGTATTGTCATGTTCTTCTTCAGATGGTCACAGCAA  
 GCTCAGAGCCATTTATAGTGAACGGCTTAGAGGGGCCAGTCTGGCTCATTGGGTGAAACTTAGAACT  
 CAGTTGTCAGTTGCTCCACCACAACAAGCCAGCACATGGAGATTCGCTGGTCCGGAACCTCTATACA  
 GAGCCTGTGCACCTGTACAGAGATGGCAAAGACATGTTTGGAGAAATTATCTCCAAGTATGTGGAACGTA  
 CAGAACTCTAAAAGATGGGATTGGAGAAGGAAAGTGACCCTTAGGATCTTAAATGTGACTGTTGATGA  
 TGATGGGTCTTACCACTGTGTGTTCAAAGATGGTGATTTCTATGAAGAGCACATAACAGAGGTCAAGATC  
 ACAGCCATAAACTTACAGGTACAGATTCATGTGCACCCTCCTAATACCAAAGGTGTGATAGTGGAGTGTC  
 ACTCTGGAGGTTGGTTCCACGACCTCTCATGCAATGGAGAGACAGAAGAGGGGAGGTCATTCCAGCTGC  
 ATCAAAATCCCCTCACAGGGTAGAGACAACTGTTCAATATGAAGATATCCCTTCTCATTAGTGAAGC  
 TTCTCCAGAAAGTCATTTGTTGCTTCCAGAACCCTTAACAGGCCAAGAGGAAAGGACAAGTGTATTTC  
 TATCAGATGCATTTTTTTCATGGAATAGGATTTGGAAAATGATTCTGGGTATAATACTATCTATGATGGT  
 GGTCTCTATCTTTGTTTTAGTTGTCTGCTACATCATGAGCATAAAGTTGTAAGTGAAGTGGGATGCT  
 CCTTGGATAAAAGGATTATAAATGACATCTTCTATGGTGACTGTTGTATTAGTCAAGTGTATTTAC  
 ATATGAAACAAAAGAGTTCAGTTTCAGATGTACATTTTGAATTGGATACTTTGTGGGTGGAAGACATAAG  
 TGTAATCCTGTGTTCACTGATGGTTCCTGCCACCATGCTTGTTCCTATACATATTTTCAGGTTGAAAGAC  
 TGGTGCCAGCACAATCATGCTCAGAGAGTCTTCCACAGCAAC

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR220113 representing NM\_001102662  
Red=Cloning site Green=Tags(s)

MGSTGLCFYGHCIVMFLQMV TASSEPFIVNGLEGPVLASLGGNLELSCQLSPPQQAQHMEIRWFRNLYT  
 EPVHL YRDGKDMFGEIISKYVERTELLKDGIGEGKVTLRIFNVTVDDGSYHCVFKDGFYEEHITVVKI  
 TAINLQVQIHVHPNNTKGVIVECHSGGWFPRLMQWRDRRGEVIPAASKSHSQGRDKLFNMKISLLISES  
 FFQKVICCLQNPLTQEERTSVILSDAFFSWNR IWKMILG IILSMMVVSIFVFSCLLHHEHKVCKWKWDA  
 PWIKGLLIMTSSMVTVLYMVYLHMKQRPVPSDVHFE LDTLWVEDISVILCSLMVPATMLVSYTYFRLKD  
 WCQHNHAQRVFTSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9073\\_e04.zip](https://cdn.origene.com/chromatograms/mm9073_e04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001102662

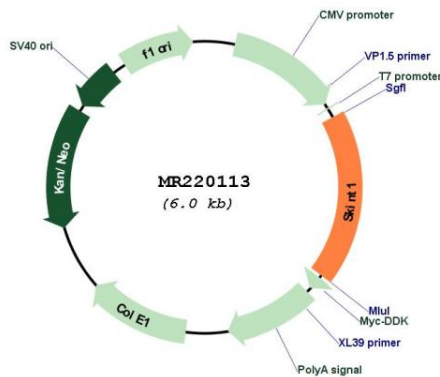
**ORF Size:** 1092 bp

**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](mailto: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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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><a href="#">NM_001102662.1</a></u> , <u><a href="#">NP_001096132.1</a></u>
<b>RefSeq Size:</b>	1260 bp
<b>RefSeq ORF:</b>	1095 bp
<b>Locus ID:</b>	639781
<b>UniProt ID:</b>	<u><a href="#">A7TZE6</a></u>
<b>Cytogenetics:</b>	4 D1
<b>MW:</b>	41.8 kDa
<b>Gene Summary:</b>	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(+)\Vdelta1(+) T-cells, which constitute 90% of epidermal gammadelta T-cells.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR220113