

Product datasheet for **MG224277**

Skint2 (NM_177865) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Skint2 (NM_177865) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Skint2
Synonyms:	A430070M19; B7S3; OTTMUSG00000008540; RP23-170H12.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224277 representing NM_177865 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAGCTACAGGAGTACTTCTCTGTGTGTCTTACACTTCCTCCAGATGGTAACACAGAGTTCAGAAA
 AATTCACAGTGACTGGCTTACAGAGGCCAGTCTTGGCACCATTGGGTGGAAATGTTGAAGTGAAGTGTCA
 GTTGTCTCCGCCACAACAAGCACAGCATATGGAGATTCGTTGGTTTCGAAATCGCTATAGAGAGCCTGTG
 TACCTGTACAGGAATGGTAAAGACCTGCATGGAGAACTATCTCCAAGTATGTGGAGCGGACTGAACTCC
 TGAAGATGACATTGAAAGGGGAAGGTGACCCTCAGGATCTTTAACTGACAGCTGATGATGATGGGTC
 ATACCACTGTGTCTTCAAAGTTGGAGAGTTCTATGAAGAGCATATCACAGAAATCAAGGTCACAGCCACA
 AGCTCAGTCATGTACATTCTAATGCAGCCCCCTAATATCAAAGGTGTGATGTTGGAGTGTATTCAGGAG
 GTTGGTCCCACAGCCTCATATGGAATGGAGAGACAACAAGGGAATATCATTCCAGCTACATCAAAGGC
 CCATTCACAGGATGAAAACAAATTGTTCAACATGACAATGACCCTTCTTATTGAAGCCAGCTCCCACAGG
 AGTATCACTTGCTATCTTCAAACCTTCTAACTCACCAAGAAGAAAGCATAAGTATTGTCCTATCAGGTG
 AACTATTTTCATGGAAACGTGTTTGGATAATGATTCTGACTACAATAGGATTCATGATGATAGCCTTCTG
 CATGACTTATTGTGTTGAGCAACATCTTATATGGTACCTTCTTAAGGGGAAATGTCATTGGTTAAAG
 AGTACAATGATATTCATGTTTTCAGTGATTGCAGTTACAGGAGTCATGCTCATTTTGCATCTAAACAAA
 GAGGTCTTATGGAAATTATTTATGAATGCAGAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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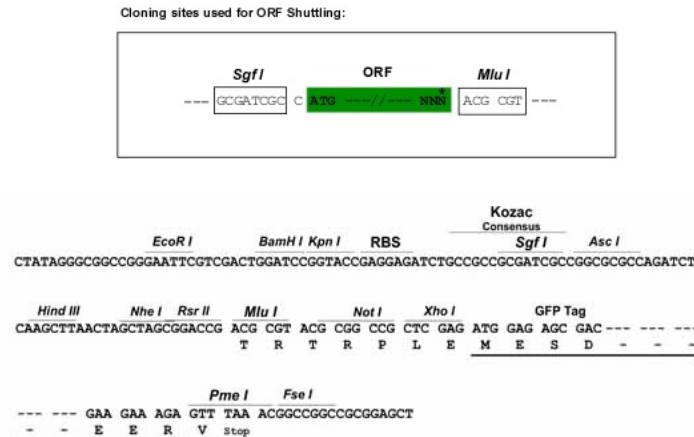
Protein Sequence: >MG224277 representing NM_177865
 Red=Cloning site Green=Tags(s)

MGATGVLLCVVLHFLQMVTQSSEKFTVTGLQRPVLAPLGGNVELSCQLSPPQQAQHMEIRWFRNRYREP
 YLYRNGKDLHGETISKYVERTELLKDDIGKGKVTLRIFKLTADDDGSYHCVFKVGEFYEEHITEIKVTAT
 SSVMYILMQPPNIKGVMLECHSGGWFPQPHMEWRDNKGNIIPATSKAHSQDENKLFNMTMTLLIEASSHR
 SITCYLQNLLTHQEESISIVLSGELFSWKRVMILTTIGFMMAFCMTYCVQQLLYGTFSKGKCHWLK
 STMIFMFSVIAVTGVMILHLKQRLMEIIECRE

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177865

ORF Size: 945 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: NM_177865.4, NP_808533.1

RefSeq Size: 1678 bp

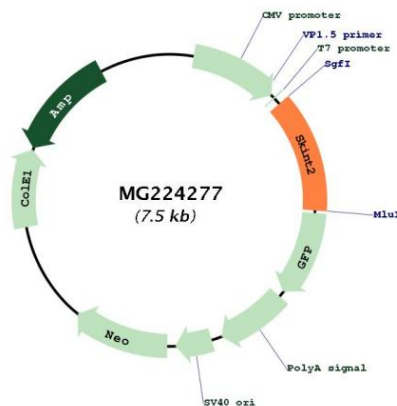
RefSeq ORF: 948 bp

Locus ID: 329919

Cytogenetics: 4

Gene Summary: May act by engaging a cell surface molecule on immature T-cells in the embryonic thymus.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG224277