

Product datasheet for MR224277

Skint2 (NM_177865) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Skint2 (NM_177865) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Skint2
Synonyms:	A430070M19; B7S3; OTTMUSG00000008540; RP23-170H12.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224277 representing NM_177865 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGAGCTACAGGAGTACTTCTCTGTGTGTCTTACACTTCCTCCAGATGGTAACACAGAGTTCAGAAA
 AATTCACAGTGACTGGCTTACAGAGGCCAGTCTTGGCACCATTGGGTGGAAATGTTGAAGTGAAGTGTGCA
 GTTGTCTCCGCCACAACAAGCACAGCATATGGAGATTCGTTGGTTTCGAAATCGCTATAGAGAGCCTGTG
 TACCTGTACAGGAATGGTAAAGACCTGCATGGAGAACTATCTCCAAGTATGTGGAGCGGACTGAACTCC
 TGAAGATGACATTGGAAGGGGAAGGTGACCCTCAGGATCTTTAACTGACAGCTGATGATGATGGGTC
 ATACCACTGTGTCTTCAAAGTTGGAGAGTTCTATGAAGAGCATATCACAGAAATCAAGGTCACAGCCACA
 AGCTCAGTCATGTACATTCTAATGCAGCCCCCTAATATCAAAGGTGTGATGTTGGAGTGTATTCAGGAG
 GTTGGTCCCACAGCCTCATATGGAATGGAGAGACAACAAGGGAATATCATTCCAGCTACATCAAAGGC
 CCATTCACAGGATGAAAACAAATTGTTCAACATGACAATGACCCTTCTTATTGAAGCCAGCTCCCACAGG
 AGTATCACTTGCTATCTTCAAACCTTCTAACTCACCAAGAAGAAAGCATAAGTATTGTCCTATCAGGTG
 AACTATTTTCATGGAAACGTGTTTGGATAATGATTCTGACTACAATAGGATTCATGATGATAGCCTTCTG
 CATGACTTATTGTGTTGAGCAACATCTTATATGGTACCTTCTTAAGGGGAAATGTCATTGGTTAAAG
 AGTACAATGATATTCATGTTTTCAGTGATTGCAGTTACAGGAGTCATGCTCATTTTGCATCTAAACAAA
 GAGGTCTTATGGAAATTATTTATGAATGCAGAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR224277 representing NM_177865
Red=Cloning site Green=Tags(s)

MGATGVLLCVVLHFLQMVTQSSEKFTVTGLQRPVLAPLGGNVELSCQLSPPQQAQHMEIRWFRNRYREPV
 YLYRNGKDLHGETISKYVERTELLKDDIGKGKVTLRIFKLTADDDGSYHCVFKVGEFYEEHITEIKVTAT
 SSVMYILMQPPNIKGVMLECHSGGWFPQPHMEWRDNKGNIIPATSKAHSQDENKLFNMTMTLLIEASSHR
 SITCYLQNLLTHQEESISIVLSGELFSWKRVWIMILTTIGFMMIAFCMTYCVQQHLLYGTFSKGKCHWLK
 STMIFMFSVIAVTGVMLILHLKQRLMEIIECRE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9071_c02.zip

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

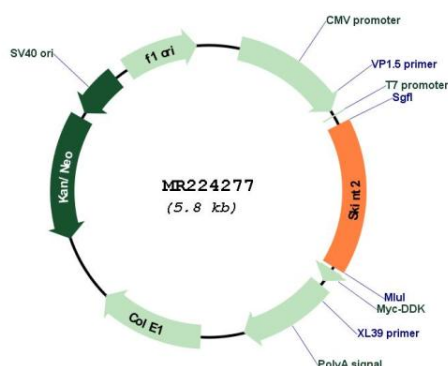
Locus ID: 329919

Cytogenetics: 4

MW: 36.2 kDa

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 MR224277