

Product datasheet for **MR224421**

Skint3 (NM_177578) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Skint3 (NM_177578) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Skint3
Synonyms:	A430090E18Rik; Skint-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224421 representing NM_177578 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGATCTATACAAATAATTTTTGCTGCATACTGTGTTGTCTTGTGCGTCCTCCAGATGTTAGTACTGA
GTTCCAGAGCAGTTCACAATTACTGGCTTAGAGAGGCCAGTCCTTGCCCCATTAGGTGGAATCCTTGAAC
CAGTTGTCAGTTGTCCCCACCACAAAATGCACAACAAATGGAGATTCGCTGGTCCGGAATCGCTATACA
GAACCTGTGTACCTGTACAGGAATGGTAAAGACCTGCATGGAGAACTATCTCCAAGTATGTGGAGCGGA
CAGAACTCCTAAAACATGACATTGGAAAAGGAAAGTGACCCTCAGGGTCTTTAAAGTGACAGTTGATGA
TGATGGATCATACCATTGTGCTTCAAAGATGGTATATTCATGAAGAGCATATCACAGAGGTCAAGGTC
ACTGCCACAAGCTCAGATATAAAGATTATAATGCATCCCCGAATATTAAGGTGTGATGCTTGAGTGTC
ATCAAGAGGTTGGTTCCTCAGCCTCATATGGAATGGAGAGATAGCAATGGACAGGTCATTCCAGCTAC
ATCAAAATCCCAGTCACAGGATGAAAACAAATTGTTCAACATGACAATGAACCTTTTTGCTGATGTTGGC
CTACACCAGATTGCACTTGCTACATTCAAAACCTTTAACTCATCAAGAAGAAAGCATAAGTATTGTC
TAACAGTCCCAATTCAGATCAACATTTGAATTGGATACTTTACTTGAAGATATTAGTGTGATCCT
GTGTGTGGTGATTGTGTTAACCTCAAGCTCAATTTACTTACTACTACAGATTGGAACGTAAATATGAT
GGATGTACACCTGGATGCAAAGCATGCTTCTATATATTAATAAATAATAATAATTGCCATTCGTTG
TTACCTTTGGGTGCTATAATGCAATCTTTTAAAATATCATCAATTACAGAAAAAGTTTCTATTCCAGA
TCCCTTATATTACTTCTACACTAGCTGGCTTGTGAATATGGAAATGCTGGGAGTATTTCTGGTCTCTTT
CCTACTTTATAAACTTAATAGAATTTTCGCAATTCATAAAAACTGTTCCAAAGCCCATATGGTTATGCC
AAGAGAATATGAGAGAAGATGATGCAATAAGACACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR224421 representing NM_177578
Red=Cloning site Green=Tags(s)

MGSIQIIFAAYCVVLCVLQMLVLSSEQFTITGLERPVLAPLGGILELSCQLSPPQNAQQMEIRWFRNRYT
 EPVYL YRNGKDLHGETISKYVERTELLKHDIGKGKVTLRVFKVTVDDGSHYCVFKDGFYEEHITVEKV
 TATSSDIKIIMHPPNIKGVMLECHSRGWFPPQPHMEWRDSNGQVIPATSKSQSQDENKLFNMTMNLFADVG
 LHQIVTCYIQNLLTHQEESISIVLTVPISDQHFDLTLYLEDISVILCVVIVFNLKLNL TYRRLERKYD
 GCTPGCKACFYILKIIIIILPFVFTFGCYN AIFLKYHLQKKVSI PDPLYFYFYSWL VNM EMLGVFLVFF
 PTFINLIEFSQFIKTVPKPIWLCQENMREDDAIRHR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_177578

ORF Size: 1158 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.

RefSeq: [NM_177578.4](#), [NP_808246.1](#)

RefSeq Size: 3627 bp

RefSeq ORF: 1161 bp

Locus ID: 195564

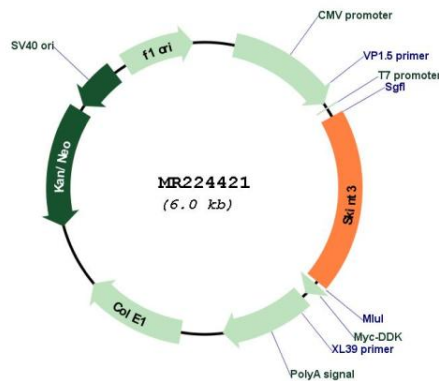
UniProt ID: [A7TZF0](#)

Cytogenetics: 4 D1

MW: 45.2 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 MR224421