

Product datasheet for **MG224421**

Skint3 (NM_177578) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Skint3 (NM_177578) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Skint3
Synonyms:	A430090E18Rik; Skint-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224421 representing NM_177578 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGATCTATACAAATAATTTTTGCTGCATACTGTGTTGCTTGTGCGTCCTCCAGATGTTAGTACTGA
GTTCCAGAGCAGTTCACAATTACTGGCTTAGAGAGGCCAGTCCTTGCCCCATTAGGTGGAATCCTTGAAC
CAGTTGTCAGTTGTCACCAACAAAATGCACAACAAATGGAGATTCGCTGGTCCGGAATCGCTATACA
GAACCTGTGTACCTGTACAGGAATGGTAAAGACCTGCATGGAGAACTATCTCCAAGTATGTGGAGCGGA
CAGAACTCTAAAACATGACATTGGAAAAGGAAAGTGACCCCTCAGGGTCTTTAAAGTGACAGTTGATGA
TGATGGATCATACCATTGTGCTTCAAAGATGGTATATTCATGAAGAGCATATCACAGAGGTCAAGGTC
ACTGCCACAAGCTCAGATATAAAGATTATAATGCATCCCCGAATATTAAGGTGTGATGCTTGAGTGTC
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ATCAAAATCCCAGTCACAGGATGAAAACAAATTGTTCAACATGACAATGAACCTTTTTGCTGATGTTGGC
CTACACCAGATTGCACTTGCTACATTTCAAACCTTTTAACTCATCAAGAAGAAAGCATAAGTATTGTC
TAACAGTCCCAATTTAGATCAACATTTGAATTGGATACTTTACTTGAAGATATTAGTGTGATCCT
GTGTGTGGTGATTGTGTTAACCTCAAGCTCAATTTACTTACTACTACAGATTGGAACGTAAATATGAT
GGATGTACACCTGGATGCAAAGCATGCTTCTATATATAAAATAATAATAAATTGCCATTCGTTG
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TCCCTTATATTACTTCTACACTAGCTGGCTTGTGAATATGGAAATGCTGGGAGTATTTCTGGTCTCTTT
CCTACTTTATAAACTTAATAGAATTTTCGCAATTCATAAAAACTGTTCCAAAGCCCATATGTTATGCC
AAGAGAATATGAGAGAAGATGATGCAATAAGACACAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224421 representing NM_177578
Red=Cloning site Green=Tags(s)

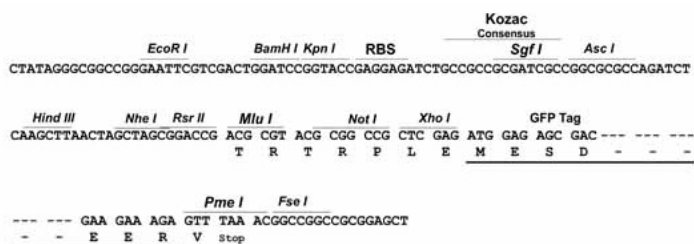
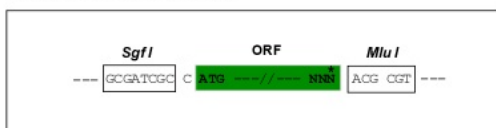
MGSIQIIFAAYCVVLCVLQMLVLSSEQFTITGLERPVLAPLGGILELSCQLSPPQNAQQMEIRWFRNRYT
 EPVYLNRNGKDLHGETISKYVERTELLKHDIGKGVTLRVFKVTVDDGSHYCVFKDGFYEEHITVKV
 TATSSDIKIIIMHPPNIKGVMLECHSRGWFPPQPHMEWRDSNGQVIPATSKSQSDENKLFNMTMNLFADVG
 LHQIVTCYIQNLLTHQEESISIVLTVPIISDQHFELDTLYLEDISVILCVVIVFNLKLNLLTYRRLERKYD
 GCTPGCKACFYILKIIIIILPFVFTFGCYNAIFLKYHQLQKKVSIPLDPLYYFYTSWLVNMEMLGVFLVFF
 PTFINLIEFSQFIKTVPKPIWLCQENMREDDAIRHR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



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

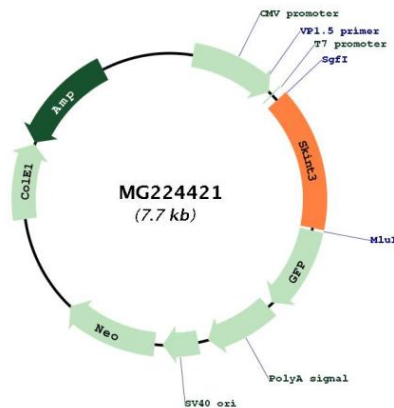
Locus ID: 195564

UniProt ID: [A7TZF0](#)

Cytogenetics: 4 D1

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 MG224421