

Product datasheet for **MC219683**

Unc93b1 (NM_019449) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Unc93b1 (NM_019449) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Unc93b1
Synonyms:	Unc-93B1; Unc93b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219683 representing NM_019449
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGGAAGTCCCAACCAGCTGCTGGTGCCAGAACTGCAAGCCCTTGATCTGGATCTGGTCATGGAGG
 TGGAGCCTCCGCTCTACCCTGTGGCCGGGGCCGGGTCCTCAAGGGGATGAAGACCGGCACGGAGTTCC
 TGATGGGCCAGAGGCTCCCTTGGACGAACCTCGTGGGTGCGTACCCCAACTACAATGAGGAGGAGGAAGAG
 CGCCGCTACTACCGCCGAAGCGCCTCGGAGTGGTCAAGAACGTGCTGGCGGCCAGCAGGGGTGTACCC
 TTACTIONACGGCTACTACCTGGCCCTCTGCAGATGCAACTGATCTGCACTATGATGAGACCTACAGAGA
 GGTGAAGTATGGCAACATGGGGCTGCCGGACATCGATAGCAAGATGCTGATGGGTATCAACGTGACGCCCT
 ATCGTGCCCTGCTCTACACACCTGTGCTCATCAGTTTTTTGGTACCAAGTGGATGATGTTCTTGGCTG
 TGGGCATCTATGCCCTCTTGTCTCTACCAACTACTGGGAACGCTACTACAGCTGGTCCCTCTGCTGT
 GGCTCTGGGCATGGCCATTGTGCCCTCTGTGGCCCTCCATGGGCAACTATATCACCAGGATGTCCAGAAG
 TACTATGAATACTCCCACTACAAGGAGCAAGATGAGCAGGGACCTCAGCAGCGCCACCACGAGGTTCC
 ACGCACCTATCTCCTGGTTTTCCAGGCCATCTTCTATAGCTTCTTCCACTTGAGCTTCGCGTGTGCCCA
 GCTGCCATGATTTACTTCTCAACAACACTACCTGTATGACCTGAACCACACACTGATCAACGTGCAGAGC
 TGCGGTAAGAGCCAAAGGCATTCTGAATGGCTTCAACAAGACGGTCTTCGGACGCTGCCCGCAGCA
 AAAACCTATTGTTGTAGAGAGCGTGCTCATGGCGGTGGCCTTCTTGGCCATGCTGATGGTGTGGGCT
 GTGTGGAGCCGCTTACCGCCACGGAAGAGATCGACCTGCGCAGCGTGGGCTGGGGCAACATCTCCAG
 CTGCCCTTCAAACACGTGCGTGACTTTCGCTTACGCCATCTGGTGCCTTCTTTATCTACAGTGGCTTTG
 AGGTGCTCTTTGCCTGCACTGGTTTTGCCCTGGGCTACGGCGTGTGCTCCATGGGCTGGAGCAGTGGC
 ATACCTGCTCATAGCTTACAGCCTGGGTGCCTCAGCCTCCTCGGTTCTGGGGCTGCTGGACTGTGGCTG
 CCTCGCTCTGTCCCGCTCGTGGCTGGGGCAGGACTGCACCTACTGCTCACCTTAGCCTCTTTTTCTGGG
 CTCCTGCTCCTCGGGTCTCCAGCACAGTTGGATCTTTACTTCTGTGGCTGCCCTCTGGGGTGTGGGCAG
 CGCCCTCAACAAGACCGGACTTAGCACACTCCTGGGCATCCTATATGAAGACAAAGAGAGGCAGGACTTC
 ATCTTACCATCTACTGTTGGCAGGCCGTGGCCATCTTTGTTGTGTACCTGGGCTCCAGCTTGGCCA
 TGAAGGCCAAGCTGGCAGTGTGCTGGTACCCTGGTAGCAGCAGCAGCCTCATACTGTGGATGGAGCA
 GAAGTTGCAGCAAGGATTGGTCCCGCGCAGCCGCGCATTCCGAAGCCACAGCACAAAGTCCGCGGTAC
 CGCTACCTGGAGGAGACAACCTCGGATGAGAGTGACATGGAGGGCAGCAGGGTCAAGGGGACTGCGCAG
 AGGACGAAGCACACAGGCAGGGCCCTGGGTGCAGAGCCAGCTGGCCCTGCCGAAGCCCTGTCCCTA
 TGAACAGGCTCTGGTGGCGATGGGCTGAGGAGCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019449

Insert Size: 1860 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_019449.2](#), [NP_062322.2](#)

RefSeq Size: 2277 bp

RefSeq ORF: 1860 bp

Locus ID: 54445

UniProt ID: [Q8VCW4](#)

Cytogenetics: 19 A

Gene Summary: Plays an important role in innate and adaptive immunity by regulating nucleotide-sensing Toll-like receptor (TLR) signaling. Required for the transport of a subset of TLRs (including TLR3, TLR7 and TLR9) from the endoplasmic reticulum to endolysosomes where they can engage pathogen nucleotides and activate signaling cascades. May play a role in autoreactive B-cells removal.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer variant and encodes the longer isoform (a).