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Product datasheet for SC107162

MIB1 (NM_020774) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIB1 (NM_020774) Human Untagged Clone
Tag:	Tag Free
Symbol:	MIB1
Synonyms:	DIP-1; DIP1; LVNC7; MIB; ZZANK2; ZZZ6
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC107162 sequence for NM_020774 edited (data generated by NextGen Sequencing)

ATGAGTAACTCCCGGAATAACCGGGTGATGGTGGAAGGGGTTGGCGCTCGGGTAGTGCGC
GGCCCGGACTGGAAGTGGGGGAAGCAGGACGGCGGCGAGGGCCATGTGGGCACCGTCCGG
AGCTTCGAGAGCCCCGAGGAGGTGGTGGTAGTGTGGGACAACGGCACAGCTGCCAACTAC
CGCTGCTCCGGGGCTTACGACCTCCGCATCCTGGACAGCGCGCCCACCGGCATCAAGCAT
GATGGAACCATGTGTGATACCTGCCGCCAGCAACCAATCATTGGCATTCGATGGAAGTGT
GCAGAGTGTACAAATTATGATTTGTGCACAGTGTGTTATCATGGAGATAAACATCATTTA
AGACATCGCTTTTACCGAATTACTACACCGGGAAGTGAGAGGGTTCTGTTAGAGTCTCGT
AGGAAATCTAAGAAGATTACAGCCAGAGGAATCTTTGCAGGTGCCAGAGTGGTGCGAGGA
GTGGACTGGCAGTGGGAAGATCAAGATGGAGGAAATGGACGTAGGGGAAAGGTAACAGAA
ATCCAGGACTGGAGTGCATCAAGCCCACATAGCGCAGCATATGTCCTCTGGGATAATGGT
GCTAAGAACCTTTACAGAGTTGGCTTTGAGGGCATGTCTGATCTGAAATGTGTCCAGGAT
GCCAAGGGAGGTTCTTTCTACAGAGATCACTGCCCTGTGCTAGGTGAGCAGAATGGCAAC
AGGAATCCTGGTGGATTGCAGATTGGTGACCTGGTAAATATAGATCTCGACCTCGAAATT
GTACAGTCTTTGCAGCATGGTCATGGAGGATGGACTGATGGAATGTTTGAGACTTTAACT
ACAACTGGAACTGTTTGTGGCATTGATGAAGATCATGACATTGTAGTACAGTATCCAAGT
GGCAATAGGTGGACCTTCAATCCTGCTGTTCTCACTAAAGCGAACATTGTCCGAAGTGGA
GATGCTGCTCAGGGTGCAGAAGGAGGCACCTCGCAGTTTCAAGTGGGTGATCTTGTACAA
GTTTGTTATGACCTGGAACGAATTAAACTTCTACAAAGAGGACATGGAGAATGGGCTGAA
GCGATGCTTCCAACTTTAGGTAAAGTTGGCCGAGTACAACAGATTTATTCAGACAGTGAT
TTAAAGGTGGAAGTTTGTGGAACATCTTGGACATACAATCCAGCAGCAGTTTCCAAGGTG
GCATCTGCAGGATCAGCCATTAGCAATGCATCTGGTGAAAGACTCTCACAACTCCTGAAG
AAATTATTTGAAACCCAAGAATCTGGTGACCTCAATGAAGAATTAGTTAAGGCTGCTGCC
AATGGAGATGTTGCTAAAGTGGAAGATTTGCTTAAAAGACCAGATGTGGATGTAAATGGG
CAATGTGCTGGCCACACAGCTATGCAAGCTGCTAGTCAGAATGGACATGTTGACATTTTG
AAGTTACTTTTGAAGCAAAACGTGGATGTCGAAGCAGAGGATAAAGATGGTGATAGAGCA

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GTTCACCATGCAGCTTTTGGAGATGAAGGCGCTGTTATAGAAGTACTACATCGAGGTAGT
GCTGATTTGAATGCTCGAAACAAGCGCCGACAGACACCACTTCATATTGCTGTCAATAAA
GGTCATCTTCAAGTTGTGAAGACTTTATTGGACTTTGGCTGTCATCCCAGTCTCCAGGAT
TCTGAAGGTGATACCCCTCTTCATGATGCAATAAGTAAGAAACGTGATGATATCCTAGCA
GTTCTTTTGGAAGCTGGAGCAGATGTTACCATCACAAACAATAATGGATTTAATGCTCTG
CATCATGCTGCACTAAGGGGAAATCCCAGTGCAATGCGTGTTTTACTATCTAAATTACCA
AGACCATGGATTGTGGATGAGAAGAAAGATGATGGTTATACTGCCTTACATCTGGCTGCC
CTTAATAATCACGTAGAAGTGGCTGAACTGTTGGTACATCAGGGTAATGCAAACCTGGAT
ATCCAGAATGTGAACCAACAAACTGCCCTACACCTTGCTGTTGAACGACAGCATACCCAG
ATTGTTAGGCTTTTGGTCCGTGCAGGTGCCAAGCTTGATATTCAGGATAAGGATGGGGAT
ACTCCTTTGCATGAAGCTCTAAGGCATCACACTTTGTCTCAGCTACGTCAGCTCCAAGAT
ATGCAAGATGTGGGGAAGGTGGATGCTGCCTGGGAGCCATCCAAAAACACGTTAATAATG
GGACTTGGTACCCAGGGGGCAGAGAAGAAGAGTGCAGCATCTATTGCCTGTTTCTTGGCA
GCCAATGGTGCTGACCTGAGCATTCGAAATAAGAAGGGTCAATCGCCACTTGATCTCTGT
CCTGATCCGAATCTCTGCAAAGCACTGGCAAAGTGTCATAAGGAAAAAGTCAGTGGTCAA
GTGGGTTCTCGGAGTCCTTCTATGATTAGTAATGATTCTGAAACCTTAGAAGAGTGTATG
GTGTGCTCAGATATGAAGAGAGATACTCTTTTTGGTCCATGTGGACATATTGCTACCTGT
TCTTTATGTTCTCCACGTGTCAAGAAATGCCTCATCTGTAAAGAACAGGTTCAATCCAGG
ACAAAGATTGAAGAATGTGTGGTATGCTCTGACAAGAAAGCAGCTGTTCTTTTTCAACCC
TGTGGCCACATGTGTGCTTGTGAGAACTGTGCTAACCTGATGAAAAAGTGTGTGCAGTGT
CGAGCAGTAGTTGAACGAAGAGTGCCTTTCATTATGTGCTGTGGAGGGAAAAGTTCAGAA
GATGCCACTGATGATATCTCAAGTGGGAATATTCCAGTATTACAAAAGGACAAGGATAAT
ACCAATGTCAATGCAGATGTGCAAAAGTTGCAGCAACAGTTACAAGACATTAAAGAGCAG
ACAATGTGCCCTGTGTGTCTAGATCGTCTGAAGAATATGATTTTCCTTTGTGGTCACGGA
ACCTGTCAACTCTGTGGAGACCGCATGAGTGAATGTCCTATCTGTCGCAAGGCTATTGAA
CGAAGGATTCTTTTGTATTAA

Clone variation with respect to NM_020774.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020774 unedited
GCGTAATTCGGCACGAGGCGGGCCGCCCTCCACTCCGAGCGGGGGGCGCGGCGGCGACAG
CTGGGCAGCGGCTTTGGGCTCCGCGGGGACCGCGCCGCCGCCCCCGTGAGTTATTCTCAC
GTCCCCCGGCTTCGGCTGCCGCCCCCGCCGACGCCTAGAGTCCGGCCCGGGCCCAACTCC
CTCACGGGCCCCCCGGCGGCAGCGGCGGCGGCGGCGGCAGCGGCGGAGCCCACCGCC
CGGGCCCCGATGAGTAACTCCCGGAATAACCGGGTGATGGTGGAAGGGGTTGGCGCTCGG
GTAGTGCGCGGCCCGGACTGGAAGTGGGGGAAGCAGGACGGCGGCGAGGGCCATGTGGGC
ACCGTCCGGAGCTTCGAGAGCCCCGAGGAGGTGGTGGTAGTGTGGGACAACGGCACAGCT
GCCAACTACCGCTGCTCCGGGGCTTACGACCTCCGCATCCTGGACAGCGCGCCCACCGGC
ATCAAGCATGATGGAACCATGTGTGATACCTGCCGCCAGCAACCAATCATTGGCATTCGA
TGGAAGTGTGCAGAGTGTACAAATTATGATTTGTGCACAGTGTGTTATCATGGAGATAAA
CATCATTTAAGACATCGCTTTTACCGAATTACTACACCGGGAAGGAAGAGGGTTCTGGTA
GAGGTTCCGTAGAAAATCTAAGAGATTACCGCCCAAGGAATCTTTGCAGGGGCCANATGG
TGCCAGGAATGACTGGCATTGGGAAAAAAAAANATGGAGAAAAGGACCTAGGGGAAAGGAA
CAGAAATCAGGAATGGGGGGGATAAAGCCCAATAACCCAAATATTGCCTTGGGAAAAGGG
GGTAAAAACCCTAAAAATTGGCTTTAAGGGCATTCTAACTAAAAAAA

Restriction Sites: NotI-NotI

ACCN: NM_020774

Insert Size: 4500 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_020774.2, NP_065825.1
RefSeq Size:	9308 bp
RefSeq ORF:	3021 bp
Locus ID:	57534
UniProt ID:	Q86YT6
Cytogenetics:	18q11.2
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a protein containing multiple ankyrin repeats and RING finger domains that functions as an E3 ubiquitin ligase. The encoded protein positively regulates Notch signaling by ubiquitinating the Notch receptors, thereby facilitating their endocytosis. This protein may also promote the ubiquitination and degradation of death-associated protein kinase 1 (DAPK1). [provided by RefSeq, Jun 2013]