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Product datasheet for SC323960

MNDA (NM_002432) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MNDA (NM_002432) Human Untagged Clone
Tag:	Tag Free
Symbol:	MNDA
Synonyms:	PYHIN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

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>OriGene sequence for NM_002432.1
CTACAATCAAGATTGAGAGTGGCTCTAACAAGTGCCATTTTTCCTTGTTAGCTTTCATTT
CTCAGCCCTTTACAAGATTAAAATAGTCTGCAGTTTAATCTCTCCAAAGCTTTACGGACA
GTGATTCTGTCCTAAACAAGACAGTGACTCCAGGATTTCTGAAGACTATTGTGGAAGAAG
CATCCATTAAGGCCAAGCTATAACATCAGAAATGGTGAATGAATACAAGAAAATTCTTTT
GCTGAAAGGATTTGAGCTCATGGATGATTATCATTTTACATCAATTAAGTCCTTACTGGC
CTATGATTTAGGACTAACTACAAAAATGCAAGAGGAATACAACAGAATTAAGATTACAGA
TTTGATGGAAAAAAAGTTCCAAGGCGTTGCCTGTCTAGACAAACTAATAGAACTTGCCAA
AGATATGCCATCACTTAAAAACCTTGTTAACAATCTTCGAAAAGAGAAGTCAAAAGTTGC
TAAGAAAATTAAAACACAAGAAAAAGCTCCAGTGAAAAAAATAAACCAGGAAGAAGTGGG
TCTTGCGGCACCTGCACCCACCGCAAGAAACAAACTGACATCGGAAGCAAGAGGGAGGAT
TCCTGTAGCTCAGAAAAGAAAAACTCCAAACAAAGAAAAGACTGAAGCCAAAAGGAATAA
GGTGTCCCAAGAGCAGAGTAAGCCCCCAGGTCCCTCAGGAGCCAGCACATCTGCAGCTGT
GGATCATCCCCCACTACCCCAGACCTCATCATCAACTCCATCCAACACTTCGTTTACTCC
GAATCAGGAAACCCAGGCCCAACGGCAGGTGGATGCAAGAAGAAATGTTCCCCAAAACGA
CCCAGTGACAGTGGTGGTACTGAAAGCAACAGCGCCATTTAAATACGAGTCCCCAGAAAA
TGGGAAAAGCACAATGTTTCATGCTACAGTGGCCAGTAAGACTCAATATTTCCATGTGAA
AGTCTTCGACATCAACTTGAAAGAGAAATTTGTAAGGAAGAAGGTCATTACCATATCTGA
TTACTCTGAATGTAAAGGAGTAATGGAAATAAAGGAAGCATCATCTGTGTCTGACTTTAA
TCAAAATTTTGAGGTCCCAAACAGAATTATCGAAATAGCAAATAAAACTCCCAAGATCAG
TCAACTTTACAAGCAAGCATCTGGAACAATGGTGTATGGGTTGTTTATGTTACAAAAGAA
AAGCGTACACAAGAAGAACACAATTTATGAAATACAGGATAATACAGGATCCATGGATGT
AGTGGGGAGTGGAAAATGGCACAATATCAAGTGTGAGAAAGGAGATAAACTTCGACTCTT
CTGCCTTCAACTGAGAACAGTTGACCGCAAGCTGAAACTGGTGTGTGGAAGTCACAGCTT
CATCAAGGTCATCAAGGCCAAGAAAAACAAGGAAGGACCAATGAATGTTAATTGAAATAT
GAAAGCTGAAATGCAACAAACAACTTCCGCTTAAAACAATTAAGTTGTTAATAACTGTGA
TTTTGTAAATTTCAGTAATTCATTTAAATGATGTTTCAGTAGATATATTCTAGCATATTA
AGAGCTTTTATAACTGAGTTATAGATTAGTTTGCTTTCTGGAATAAAATTTTCTTCTTAT
ACTCTTCCTTTTTTTTAGATATTACATTTTGCTTTTATGACATTCACGAGGCAAAAAATA
AAATATCTTTTTTTGAAGGACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: ECoRI-NOT

ACCN: NM_002432

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_002432.1, NP_002423.1
RefSeq Size:	1670 bp
RefSeq ORF:	1224 bp
Locus ID:	4332
UniProt ID:	P41218
Cytogenetics:	1q23.1
Domains:	PAAD_DAPIN, HIN
Protein Families:	Transcription Factors
Gene Summary:	The myeloid cell nuclear differentiation antigen (MNDA) is detected only in nuclei of cells of the granulocyte-monocyte lineage. A 200-amino acid region of human MNDA is strikingly similar to a region in the proteins encoded by a family of interferon-inducible mouse genes, designated Ifi-201, Ifi-202, and Ifi-203, that are not regulated in a cell- or tissue-specific fashion. The 1.8-kb MNDA mRNA, which contains an interferon-stimulated response element in the 5-prime untranslated region, was significantly upregulated in human monocytes exposed to interferon alpha. MNDA is located within 2,200 kb of FCER1A, APCS, CRP, and SPTA1. In its pattern of expression and/or regulation, MNDA resembles IFI16, suggesting that these genes participate in blood cell-specific responses to interferons. [provided by RefSeq, Jul 2008]