

Product datasheet for SC127417

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127417 sequence for NM_002432 edited (data generated by NextGen Sequencing)

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ATGGTGAATGAATACAAGAAAATCTTTTCTGCTGAAAGGATTTGAGCTCATGGATGATTAT
CATTTTACATCAATTAAGTCCTTACTGGCCTATGATTTAGGACTAACTACAAAAATGCAA
GAGGAATACAACAGAATTAAGATTACAGATTTGATGGAAAAAAGTTCCAAGGCGTTGCC
TGTCTAGACAACTAATAGAACTTGCCAAAGATATGCCATCACTTAAAAACCTTGTTAAC
AATCTTCGAAAAGAGAAGTCAAAAGTTGCTAAGAAAATTTAAACACAAGAAAAAGCTCCA
GTGAAAAAATAAACCAGGAAGAAGTGGGTCTTGCAGCACCTGCACCCACCGCAAGAAAC
AAACTGACATCGGAAGCAAGAGGGAGGATTCTGTAGCTCAGAAAAGAAAACTCCAAC
AAAGAAAAGACTGAAGCCAAAAGGAATAAGGTGTCCCAAGAGCAGAGTAAGCCCCAGGT
CCCTCAGGAGCCAGCACATCTGCAGCTGTGGATCATCCCCACTACCCAGACCTCATCA
TCAACTCCATCCAACACTTCGTTTACTCCGAATCAGGAAACCCAGGCCAACGGCAGGTG
GATGCAAGAAGAAATGTTCCCAAAACGACCCAGTGACAGTGGTGGTACTGAAAGCAACA
GCGCCATTTAAATACGAGTCCCCAGAAAATGGGAAAAGCACAATGTTTCTATGCTACAGTG
GCCAGTAAGACTCAATATTTCCATGTGAAAGTCTTCGACATCAACTTGAAAGAGAAATTT
GTAAGGAAGAAGGTCATTACCATATCTGATTACTCTGAATGTAAGGAGTAATGGAATA
AAGGAAGCATCATCTGTGTCTGACTTTAATCAAAATTTGAGGTCCCAACAGAAATATC
GTGTATGGGTTGTTTATGTTACAAAAGAAAAGCGTACACAAGAAGAACAATTTATGAA
ATACAGGATAATACAGGATCCATGGATGTAGTGGGAGTGGAAAATGGCACAATATCAAG
TGTGAGAAAGGAGATAAACTTCGACTCTTCTGCCTTCAACTGAGAACAGTTGACCACAAG
CTGAAACTGGTGTGTGGAAGTCACAGCTTCATCAAGGTATCAAGGCCAAGAAAAACAAG
GAAGGACCAATGAATGTTAATTGA

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Clone variation with respect to NM_002432.1



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002432 unedited GGTTAGAATTTGTATACGACTCCTATAGGGCGGCCGCGATTTCGGCACGAGGATCAAGATT GAGAGTGGCTCTAACAAAGTGCCATTTTTCTTGTAGCTTTTCATTTCTCAGCCCTTTACA AGATTAATAAGTCTGCAGTTTAACTCTCCAAAGCTTACGGACAGTGATTCTGTCCCTA AACAAAGACAGTGACTCCAGGATTCTGAAGACTATTGTGGAAGAAGCATCCATTAAGGCC AAGCTATAACATCAGAAATGGTGAATGAATACAAGAAAATCTTTTGTGAAAGGATTTG AGCTCATGGATGATTATCATTTTACATCAATTAAGTCCTTACTGGCCTATGATTTAGGAC TAACTACAAAAATGCAAGAGGAATACAACAGAATTAAGATTACAGATTTGATGGAAAAA AGTCCAAGGCGTTGCCTGTCTAGACAACTAATAGAAGTTCGCAAGATATGCCATCAC TAAAAACCTTGTAAACAATCTTCGAAAAGAGAAGTCAAAAGTTGCTAAGAAAATAAAA CACAAGAAAAAGCTCCAGTGAAAAAATAAACCAGGAAGAAGTGGGTCTTGCAGCACCTG CACCCACCGCAAGAAACAACTGACATCGGAAGCAAGAGGGAGGATTCTGTAGCTCAGA AAAGAAAACTCCAAACANAGANAGACTGAAGCCAAAAGGAATAAGGTGTCCAAGAGC AGAGTAAGCCCCAGGTCCCTCAGGAGCCAGCACATCTGCAGCTGTGGATCATCCCCAC TACCCAGACCTCATCACTCACTCCATCCACACTTCGTTTACTCCGGTACACTTCTCT GGCCCTTCTCCATTTTTTTTTAACCCATCACAGTGCATTCCCCTGTTACTATNGGTAC TCTCATGCATACCTCT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002432 unedited AAAGATATTTTATTTTTTCCAGTGATGCATAAAGCAAATGTAATCTAAAAAAGG AGAGTATAAGAAGAAATTTTATCCAGAAAGCAAATAATCTATAACTCAGTTATAAAG CTCTTAATATGCTAGAATATATCTACTGAAACATCATTTAAATGAATTACTGAAATTTAC AAAATCACAGTTATTAACAACCTAATTGTTTTAAGCGGAAGTTGTTTGTGCATTTACAGC TTTCATATTTCAATTAACATTCATTGGTCTTCCTTGTTTTTCTTGGCCTTGATGAACCT TGATGAAGCTGTGACTTCCACACACCAGTTTCAGCTTGCAGTCAACTGTTCTCAGTTGAA AGCAGAAGAAGTCGAAGTTTATCTCCTTCTCACACTTGATATTGTGCCATTTCCACTC CCCCTACATCCATGGATCCTGTATTATCCTGTATTTCAAAATGTGTTCTTCTTGTGT ACGCTTTTCTTTTGAACATAAACAACCATACACCATTGTTCCAGATGCTTGTGTTAA AGTTGACTGATCTGGGAGTTTTATTTGCTATTTGATAATTCTGTTGGGACCTCAAAA TTTTGATTAAGTCAGACACAGATGANTGCTTCCCTTATTTCCATTACTCCTTTACATTC AGAGTAATCAGATATGGTAATGAACCTTCTTCTTACAAATNTCTTTCAAGTTGATGT CGAAAGACTNTCAGATGGNAAATATTGAGTCTTACTGGGCCACTGTAGCATGATACATTN NGTGCTNTNCCATTTTCTGGGGACTCGTATTAATTGNNCGCTGNTGCTTTCAGGTAC ACCACTGTCACTGGGGTTCGTTTAGGGGAACAATTTCTNCTGCATCCACNCTGCCGTTAG CCNTGGAGTTNCTGATTTCTGGNTGGCGCAGAACATGAATATAACTCTAAACTTTGA GCANGAAGGNGGGCCCGTGGGCTTACCCTGTATTTCTACACTTGGGAAGNCNAGGGG GNTGGATACACAGGTCANAAAAACGAAACATCTCGCTAATAA</p>
Restriction Sites:	ECoRI-NOT
ACCN:	NM_002432
Insert Size:	1800 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_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 lfi-201, lfi-202, and lfi-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]