

# Recombinant Human Myeloid Cell Nuclear Differentiation Antigen, His tagged

Cat. No. MNDA-1832H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

Recombinant MNDA protein was expressed in *E.coli* and purified by using conventional chromatography techniques.

### Species

Human

### Source

*E.coli*

### Description

MNDA, also known as myeloid cell nuclear differentiation antigen, is detected only in nuclei of cells of the granulocyte-monocyte lineage. This protein may act as a transcriptional activator/repressor in the myeloid lineage and plays a role in the granulocyte/monocyte cell-specific response to interferon. 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.

### Sequences of amino acids

MGSSHHHHHH SGLVPRGSH MVNEYKILL LKGFELMDDY HFTSIKSLLA  
 YDLGLTTKMQ EEYNRIKID LMEKKFQGVA CLDKLIELAK DMP SLK NLVN  
 NLRKEKSKVA KKIQTQEKAP VKKINQEEVG LAAPAPTARN KLTSEARGRI  
 PVAQKRKTPN KEKTEAKRNK VSQEQSKPPG PSGASTSAAV DHPPLPQTSS  
 STPSNTSFTP NQETQAQRQV DARRNVPQND PVTVVVLKAT APFKYESPEN  
 GKSTMFHATV ASKTQYFHVK VFDINLKEKF VRKKVITISD YSECKGVMEI  
 KEASSVSDFN QNFEVFNRII EIANKTPKIS QLYKQASGTM VYGLFMLQKK  
 SVHKKNTIYE IQDNTGSM DV VGSGKWHNIK CEKGDKLRLF CLQLRTVDRK

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LKLVCGSHSF IKVIKAKKNK EGPMNVN

**Form** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

**Molecular Weight** 47.9 kDa (427aa)

**Purity** > 90% by SDS - PAGE

**Concentration** 1 mg/ml (determined by Bradford assay)

**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** [MND A myeloid cell nuclear differentiation antigen \[ Homo sapiens \]](#)

**Synonyms** MND A; PYHIN3; PYHIN3; MND A; myeloid cell nuclear differentiation antigen.

**Gene ID** [4332](#)

**mRNA Refseq** [NM\\_002432](#)

**Protein Refseq** [NP\\_002423](#)

**MIM** [159553](#)

**UniProt ID** [P41218](#)

**Chromosome Location** 1q22

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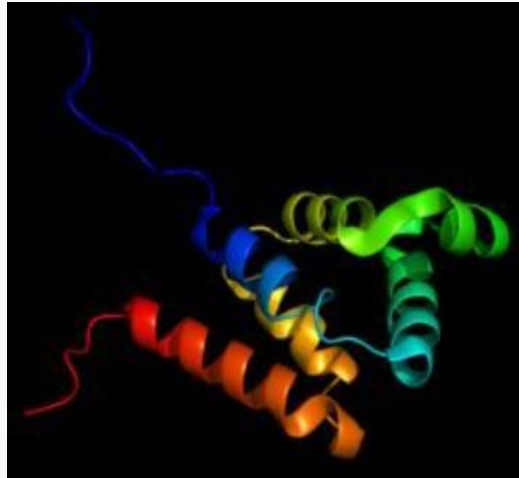
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**Function**

DNA binding; protein binding

PDB rendering based  
on 2dbg. Available  
structures 2dbg



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