

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 <i>E. coli</i> and purified by using conventional chromatography techniques.
Species	Human
Source	<i>E. coli</i>
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	MGSSHHHHH SSGLVPRGSH MVNEYKKILL LKGFELMDDY HFTSIKSLLA YDLGLTTKMQ EEYNRIKITD 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 QNFEVPNRII 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	MNDA myeloid cell nuclear differentiation antigen [Homo sapiens]
Synonyms	MNDA; PYHIN3; PYHIN3; MNDA; 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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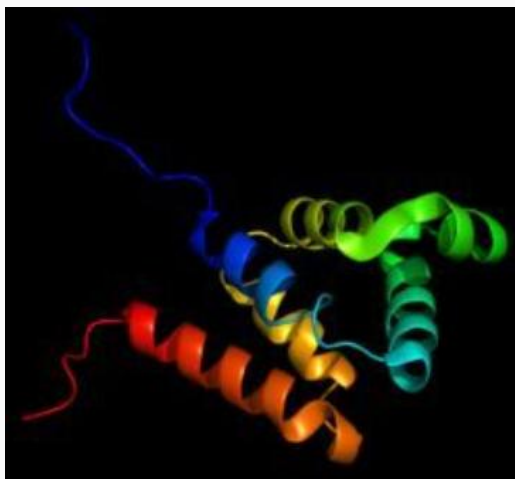
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Function

DNA binding; protein binding

PDB rendering based
on 2dbg. Available
structures 2dbg



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