

Recombinant Human MNDA, His-tagged

Cat. No. MNDA-30037TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MNDA with N-terminal His Tag; 427aa, 47.9kDa.
Species	Human
Source	E.coli
ProteinLength	407 amino acids
Description	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.
Conjugation	HIS
Molecular Weight	47.900kDa inclusive of tags
Tissue specificity	Expressed constitutively in cells of the myeloid lineage. Found in promyelocyte stage cells as well as in all other stage cells including peripheral blood monocytes and

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	granulocytes. Also appear in myeloblast cells in some cases of acute myeloid Leukemia.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 10% Glycerol, 0.02% DTT, 0.32% Tris HCl
Storage	Please see Notes section
Sequences of amino acids	MGSSHHHHH SSGLVPRGSH MVNEYKKILL LKGFELMDDY HFTSIKSLLA YDLGLTTKMQ EEYNRIKITD LMEKKFQGVA CLDKLIELAK DMPSLKNLVN 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 LKLVC GSHSF IKVIKAKKNK EGPMNVN
Sequence Similarities	Contains 1 DAPIN domain. Contains 1 HIN-200 domain.

GENE INFORMATION

Gene Name	MNDA myeloid cell nuclear differentiation antigen [Homo sapiens]
Official Symbol	MNDA
Synonyms	MNDA; myeloid cell nuclear differentiation antigen; PYHIN3;

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Gene ID	4332
mRNA Refseq	NM_002432
Protein Refseq	NP_002423
MIM	159553
Uniprot ID	P41218
Chromosome Location	1q22
Function	DNA binding;

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