

## Recombinant Human MNDA Protein, GST-tagged

**Cat. No.** MNDA-5446H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human MNDA full-length ORF ( NP_002423.1, 1 a.a. - 407 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 72.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MVNEYKKILLKGFELMDDYHFTSIKSLLAYDLGLTTKMQEEYNRIKITDLMEKKFQG<br>VACLDKLIELAKDMPSLKLNLVNNLRKEKSKVAKKIQTQEKAPVKKINQEEVGLAAPAP<br>TARNKLTSEARGRIPVAQKRKTPNKEKTEAKRNKVSQEQSKPPGPSGASTSAAVDH<br>PPLPQTSSSTPSNTSFTPNQETQAQRQVDARRNVPQNDPVTVVVLKATAPFKYESP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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ENGKSTMFHATVASKTQYFHVKVFDINLKEKFVRKKVITISDYSECKGVMEIKEASSV  
SDFNQNFEPNRIIEIANKTPKISQLYKQASGTMVYGLFMLQKKSVMHKKNTIYEIQDNT  
GSMDVVGSGKWHNIKCEKGDKLRLFLCLQLRTVDRKLKLVCGSHSFIKVIKAKKNKEG  
PMNVN

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Notes** Best use within three months from the date of receipt of this protein.

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

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

**Official Symbol** [MNDA](#)

**Synonyms** MNDA; myeloid cell nuclear differentiation antigen; PYHIN3;

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

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

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

**MIM** [159553](#)

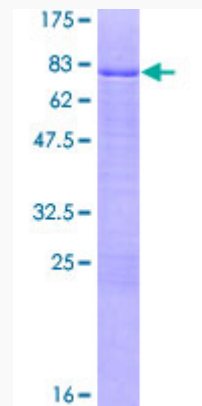
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**UniProt ID**

P41218

**Quality Control****Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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