

Recombinant Human MNDA Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human MNDA full-length ORF (NP_002423.1, 1 a.a. - 407 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Molecular Mass	72.2 kDa
AA Sequence	MVNEYKILLLLKGFELMDDYHFTSIKSLLAYDLGLTTKMQEEYNRIKITDLMEKKFQG VACLDKLIELAKDMP SLK NLVNNLRKEKSKVAKKIKTQE KAPVKKINQEEVGLAAPAP TARNKLTSEARGRIPVAQKRKTPNKEKTEAKRNKVSQEQSKPPGPSGASTSAAVDH PPLPQTSSSTPSNTSFTPNQETQAQRQVDARRNVPQNDPVTVVVLKATAPFKYESP

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ENGKSTMFHATVASKTQYFHVKVF^DINLKEKFV^RKKVITISDYSECKGVMEIKEASSV
 SDFNQNFEPNRIIEIANKTPKISQLYKQASGTMVYGLFMLQKKS^VHKKNTIYEIQDNT
 GSMDVVGSGKWHNIKCEKGD^KLRLFCLQLRTVDRK^LKLVC^GSHSFIKVIKAKKNKEG
 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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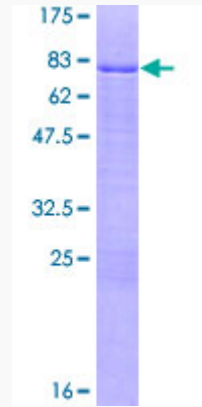
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UniProt ID

P41218

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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