

## MNDA Human

**Description:** MNDA Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 427 amino acids (1-407 a.a.) and having a molecular mass of 47.9 kDa. The MNDA is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: PRPS-770

For research use only.

**Synonyms:** PYHIN3, Myeloid cell nuclear differentiation antigen, MNDA.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSSLVPRGSH MVNEYKILL LKGFELMDDY  
HFTSIKSLLA YDLGLTTKMQ EEYNRIKID LMEKKFQGVA CLDKLIELAK DMPSLKNLVN  
NLRKEKSKVA KKIQTQEKAP VKKINQEEVG LAAPAPTARN KLTSEARGRI PVAQKRKTPN  
KEKTEAKRNK VSQEQSKPPG PSGASTSAAV DHPPLPQTSS STPSNTSFTP NQETQAQRQV  
DARRNVPQND PV

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

### Formulation:

The MNDA solution contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.

### Stability:

MNDA although stable 4C for 4 weeks, should be stored desiccated below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

MNDA plays a role as a transcriptional activator/repressor in the myeloid lineage and in the granulocyte/monocyte cell-specific response to interferon. MNDA Stimulates the DNA binding of the transcriptional repressor protein YY1. MNDA is identified only in nuclei of cells of the granulocyte-monocyte lineage. A 200-a.a region of human MNDA is remarkably related to a region in the proteins encoded by a family of interferon-inducible mouse genes, MNDA participates in blood cell-specific responses to interferons.

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