Recombinant human MNDA protein

Catalog Number: ATGP0450

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-407aa

UniProt No.
P41218

NCBI Accession No.
NP_002423

Alternative Names
Myeloid cell nuclear differentiation antigen, PYHIN3, Myeloid cell nuclear differentiation antigen

PRODUCT SPECIFICATION

Molecular Weight
47.9 kDa (427aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1 M NaCl.

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant MNDA protein was expressed in E. coli and purified by using conventional chromatography

techniques.

Amino acid Sequence

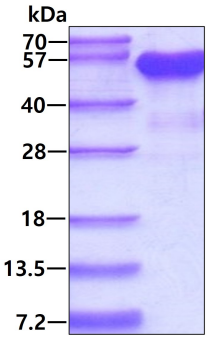
<MGSSHHHHHH SSGLVPRGSH> MVNEYKKILL LKGFELMDDY HFTSIKSLLA YDLGLTTKMQ EEYNRIKITD LMEKKFQGVA CLDKLIELAK DMPSLKNLVN NLRKEKSKVA KKIKTQEKAP VKKINQEEVG LAAPAPTARN KLTSEARGRI PVAQKRKTPN KEKTEAKRNK VSQEQSKPPG PSGASTSAAV DHPPLPQTSS STPSNTSFTP NQETQAQRQV DARRNVPQND PVTVVVLKAT APFKYESPEN GKSTMFHATV ASKTQYFHVK VFDINLKEKF VRKKVITISD YSECKGVMEI KEASSVSDFN QNFEVPNRII EIANKTPKIS QLYKQASGTM VYGLFMLQKK SVHKKNTIYE IQDNTGSMDV VGSGKWHNIK CEKGDKLRLF CLQLRTVDRK LKLVCGSHSF IKVIKAKKNK EGPMNVN

General References

Burrus GR., et al. (1992) J. Cell. Biochem. 48(2):190-202.
Briggs RC., et al. (2005) J. Cell. Biochem. 95(2):293-301.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.