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AR09333PU-N Human MNDA (1-407, His-tag) - Purified

Alternate names: Myeloid cell nuclear differentiation antigen

Quantity: 0.1 mg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: P41218

NCBI: NP_002423

GeneID: 4332

Species: Human

Source: E. coli

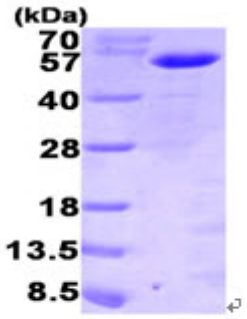
Format:
State: Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1 M NaCl

Description: Recombinant MNDA protein, fusd to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
AA 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

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: Briggs RC., et al. (2005) J. Cell. Biochem. 95(2):293-301.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human MNDA (1-407 aa), His-tagged: 15% SDS-PAGE (3 µg)