

Product datasheet for PH307117

MNDA (NM_002432) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MNDA MS Standard C13 and N15-labeled recombinant protein (NP_002423)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207117
Predicted MW:	45.8 kDa
Protein Sequence:	>RC207117 protein sequence Red=Cloning site Green=Tags(s)

MVNEYKKILLKGFELMDDYHFTSIKSLLAYDLGLTTKMQEEYNRIKITDLMEKKFQGVACLDKLIELAK
DMPSLKNLVNNLRKEKSKVAKKIKTQEAPVKKINQEEVGLAAPAPTARNKLTSEARGRIPVAQKRKTPN
KEKTEAKRNKVSQEQSKPPGSGASTSAAVDHPPLPQTSSSTPSNTSFTPNQETQAQRQVDARRNVPQND
PVTVVVLKATAPFKYESPENKSTMFHATVASKTQYFHVKVFIDINLKEKFRKKVITISDYSECKGVMEI
KEASSVDFNQNFEPNRIIEIANKTPKISQLYKQASGMTVYGLFMLQKKSVMHKKNTIYEIQDNTGSM DV
VGS GKWHNIKCEKGDKLRLFLCLQLRTVDRKLLKLCVGS HSF IKVIKAKKNKEGPMNVN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002423</u>
RefSeq Size:	1670
RefSeq ORF:	1221
Synonyms:	PYHIN3
Locus ID:	4332



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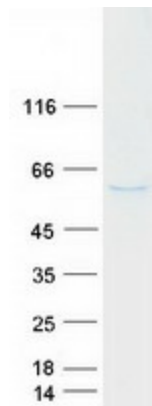
UniProt ID: [P41218](#), [Q5VUU6](#)

Cytogenetics: 1q23.1

Summary: 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 lfi-201, lfi-202, and lfi-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, Jul 2008]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified MNDA protein (Cat# [TP307117]). The protein was produced from HEK293T cells transfected with MNDA cDNA clone (Cat# [RC207117]) using MegaTran 2.0 (Cat# [TT210002]).