

Recombinant Human MTA1 protein, MYC/DDK-tagged

Cat. No. MTA1-2943H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human full length (a.a.1-715) MAT1 was expressed in HEK293 cells with C-terminal MYC/DDK tag. This protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Species	Human
Source	HEK293
ProteinLength	1-715 a.a.
Description	This gene encodes a protein that was identified in a screen for genes expressed in metastatic cells, specifically, mammary adenocarcinoma cell lines. Expression of this gene has been correlated with the metastatic potential of at least two types of carcinomas although it is also expressed in many normal tissues. The role it plays in metastasis is unclear. It was initially thought to be the 70kD component of a nucleosome remodeling deacetylase complex, NuRD, but it is more likely that this component is a different but very similar protein. These two proteins are so closely related, though, that they share the same types of domains. These domains include two DNA binding domains, a dimerization domain, and a domain commonly found in proteins that methylate DNA. The profile and activity of this gene product suggest that it is involved in regulating transcription and that this may be accomplished by chromatin remodeling. Two transcript variants encoding different isoforms have been found for this gene.

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Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	80.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Full Length	Full L.

GENE INFORMATION

Gene Name	MTA1 metastasis associated 1 [Homo sapiens]
Official Symbol	MTA1
Synonyms	MTA1; metastasis associated 1; metastasis-associated protein MTA1
Gene ID	9112
mRNA Refseq	NM_001203258
Protein Refseq	NP_004680
MIM	603526
UniProt ID	Q13330

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