Recombinant Human MTA2 Protein, His-tagged

Cat. No. MTA2-294H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MTA2(Met1~Cys394) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Cys394
Description	This gene encodes a protein that has been identified as a component of NuRD, a nucleosome remodeling deacetylase complex identified in the nucleus of human cells. It shows a very broad expression pattern and is strongly expressed in many tissues. It may represent one member of a small gene family that encode different but related proteins involved either directly or indirectly in transcriptional regulation. Their indirect effects on transcriptional regulation may include chromatin remodeling. It is closely related to another member of this family, a protein that has been correlated with the metastatic potential of certain carcinomas. These two proteins are so closely related 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. One of the proteins known to be a target protein for this gene product is p53. Deacetylation of p53 is correlated with a loss of growth inhibition in transformed cells supporting a connection between these gene family members and metastasis.

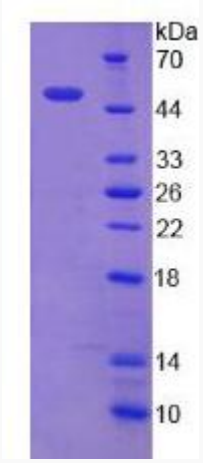
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Form	100mMNaHCO3, 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	48.6kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 85%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in 100mM NaHCO3, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	MTA2 metastasis associated 1 family, member 2 [Homo sapiens]
Official Symbol	MTA2
Synonyms	MTA2; metastasis associated 1 family, member 2; metastasis associated gene family, member 2 , MTA1L1; metastasis-associated protein MTA2; MTA1 L1; MTA1-L1

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	protein; metastasis-associated 1-like 1; metastasis-associated protein 2; metastasis - associated gene 1-like 1; p53 target protein in deacetylase complex; metastasis associated gene family, member 2; PID; MTA1L1; DKFZp686F2281;
Gene ID	9219
mRNA Refseq	NM_004739
Protein Refseq	NP_004730
MIM	603947
UniProt ID	O94776
	

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