

Human MTA2 Knockdown Cell Lysate

Cat. No. MTA2-247HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated MTA2 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	75 kDa

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Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg MTA2 KD HeLa cell lysate
Protein Families	Druggable Genome, Transcription Factors
Lysate QC	RT-qPCR; Western Blotting (WB)
GENE INFORMATION	
Gene Name	MTA2 metastasis associated 1 family, member 2 [Homo sapiens (human)]
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 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

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mRNA Refseq	NM_004739
Protein Refseq	NP_004730
MIM	603947
UniProt ID	O94776

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