

## Recombinant Full Length Human MTA1 Protein, C-Flag-tagged

Cat. No. MTA1-1137HFL    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Product Overview</b> | Recombinant Full Length Human MTA1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | <p>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.</p> |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 80.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**AA Sequence**

MAANMYRVGDYVYFENSSSNPYLIRRIEELNKTANGNVEAKVVCFYRRRDISSTLIAL  
ADKHATLSVCYK AGPGADNGEEGEIEEEMENPEMVDLPEKLKHQLRHRELFLSRQL  
ESLPATHIRGKCSVTLLNETESLKS Y LEREDFFFYSLVYDPQQKTLLADKGEIRVGN  
RYQADITDLLKEGEEDGRDQSRLETQVWEAHNPLTDKQI DQFLVVARSVGT FARAL  
DCSSSVRQPSLHMSAAAAARDITLFHAMDTLHKNIYDISKAISALVPQGGPVL CRDE  
MEEWSASEANLFEEALEKYGKDFTDIQQDFLPWKSLTSII EYYYMWKTTDRYVQQK  
RLKAAEAESK LKQVYIPNYNKPNPNQISVNNIKAGVVNGTGAPGQSPGAGRACESC  
YTTQSYQWYSWGPPNMQCRLCASC WTYWKKYGGLKMPTRLDGERPGPNRSNM  
SPHGLPARSSGSPKFAMKTRQAFYLHTTKLTRIARRLCREIL RPWHAARHPYLPINS  
AAIKAECTARLPEASQSPLVLKQAVRKPLEAVLRYLETHPRPPKPDVPKSVSSVL SS  
LTPAKVAPVINNGSPTILGKRSYEQHNGVDGNMKKRLLMPSRGLANHGQTRHMGP  
SRNLLLNGKSYPT KVR LIRGGSLPPVKRRRMNWIDAPDDVFY MATEETRKIRKLLSS  
SETKRAARRPYKPIALRQS QALPPRP  
PPPAPVNDEPIVIEDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining.

**Stability**

Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Storage**

Store at -80 centigrade.

**Concentration**

>50 ug/mL as determined by microplate BCA method.

**Preparation**

Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Protein Families**

Druggable Genome, Transcription Factors

**Full Length**

Full L.

## GENE INFORMATION

**Gene Name** MTA1 metastasis associated 1 [ Homo sapiens (human) ]

**Official Symbol** MTA1

**Synonyms** metastasis associated 1; metastasis associated gene 1 protein; metastasis associated protein

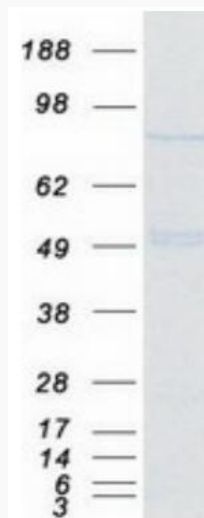
**Gene ID** 9112

**mRNA Refseq** NM\_004689.4

**Protein Refseq** NP\_004680.2

**MIM** 603526

**UniProt ID** Q13330



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Coomassie blue staining of purified MTA1 protein.

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