

## Product datasheet for **TP318599L**

### MTA1 (NM\_004689) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human metastasis associated 1 (MTA1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218599 representing NM_004689 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAANMYRVGDYVYFENSNNPYLIRRIEELNKTANGNVEAKVVCYFRRRDISSTLIALADKHATLSVCYK  
AGPGADNGEEGEIEEEMENPEMVDLPEKLLKHLRHLRFLSRQLESPLATHIRGKCSVTLLNETESLSY  
LEREDFFFYSLVYDPQQKTLADKGEIRVGNRYQADITDLLKEGEEDGRDQSRLETQVWEAHNPLTDKQI  
DQFLWARSVGTAFARALDCSSSVRQPSLHMSAAAARDITLFHAMDTLHKNIYDISKALSALVPQGGPVL  
CRDEMEEWSASEANLFEAELEKYGKDFDIIQQDFLPWKSLTSIIYYMWKTTDRYVQQKRLKAAEAESK  
LKQVYIPNYNKPNNQISVNNIKAGVWNGTGAPGQSPGAGRACESCYTTQSYQWYSWGGPPNMQCRLCASC  
WTYWKYKGLKMPTRLDGERPGPNRSNMSPHGLPARSSGSPKFAMKTRQAFYLHTTKLTRIARRLCREIL  
RPWHAARHPYLPINSAAIKAECTARLPEASQSPVLVKQAVRKPLEAVLRYLETHPRPPKDPVKSVSSVL  
SSLTPAKVAPVINNGSPTILGKRSYEQHNGVDGNMCKRLLMPSRGLANHGQTRHMGPSRNLNNGKSYPT  
KVRLIRGGSLPPVKKRRRMNWIDAPDDVFYMATEETRKIRKLLSSETKRAARRPYKPIALRQSALPPRP  
PPAPVNDPIVIED

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	80.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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

**RefSeq:** [NP\\_004680](#)

**Locus ID:** 9112

**UniProt ID:** [Q13330](#), [Q9BRL8](#)

**RefSeq Size:** 2662

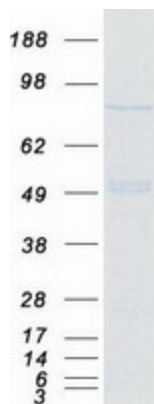
**Cytogenetics:** 14q32.33

**RefSeq ORF:** 2145

**Summary:** 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. [provided by RefSeq, Feb 2011]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified MTA1 protein (Cat# [TP318599]). The protein was produced from HEK293T cells transfected with MTA1 cDNA clone (Cat# [RC218599]) using MegaTran 2.0 (Cat# [TT210002]).