

Product datasheet for PH318599

MTA1 (NM_004689) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MTA1 MS Standard C13 and N15-labeled recombinant protein (NP_004680)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218599
Predicted MW:	80.6 kDa
Protein Sequence:	>RC218599 representing NM_004689 Red=Cloning site Green=Tags(s)

MAANMYRVGDYVYFENSSNPYLIRRIEELNKTANGNVEAKVVCFYRRRDISSTLIALADKHATLSVCYK
AGPGADNGEEGEIEEEMENPEMVDLPEKLNKHLRHRELFSLRQLESPLATHIRGKCSVTLNETESLKS
LEREDFFFYSLVYDPQQTLLADKGEIRVGNRYQADITDLLKEGEEDGRDQSRLETQVWEAHNPLTDKQI
DQFLVVARSVGTFARALDCSSSVRQPSLHMSAAAAASRDITLFHAMDTLHKNIYDISKAISALVPQGGPVL
CRDEMEEWSASEANLFEEALEKYGKDFTDIQQDFLPWKSLTSIIIEYYMWTDDRYVQKRLKAAEAESK
LKQVYIPNYPNPNQISVNNIKAGVNGTGAPGQSPGAGRACESCYTTQSYQWYSWGPPNMQCRLCASC
WTYWKKYGGLKMPTRLGGERPGPNRSNMSPHGLPARSSGSPKFAMKTRQAFYLHTTKL TRIARRL CREIL
RPWHAARHPYLPINSAAIKAECTARLPEASQSPLVVKQAVRKPLEAVLRYLETHPRPPKDPVKSVSSVL
SSLTPAKVAPVINNGSPTILGKRSYEQHNGVDGNMCKRLLMPSRGLANHGQTRHMGPSRNLNLLNGKSYPT
KVRLIRGGSLPPVKKRRMNWIDAPDDVFYMATEETRKIRKLLSSETKRAARRPYKPIALRQSQALPPRP
PPPAPVNDEPIVIED

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004680



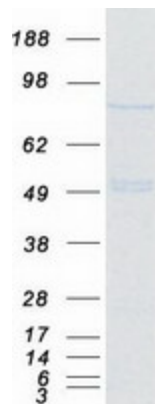
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RefSeq Size: 2662
RefSeq ORF: 2145
Locus ID: 9112
UniProt ID: [Q13330](#), [Q9BRL8](#)
Cytogenetics: 14q32.33

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]).