

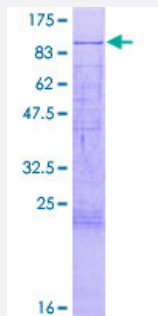
Full-Length

MTA2 (Human) Recombinant Protein (P01)

Catalog # H00009219-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MTA2 full-length ORF (NP_004730.2, 1 a.a. - 668 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAANMYRVGDYVYFENSSSNPYLVRRIEELNKTANGNVEAKVVCLFRRRDISSSLNSLADSNARE
FEEESKQPGVSEQQRHQLKHRELFLSRQFESLPATHIRGKCSVTLLNETDILSQYLEKEDCFFYSL
VFDPVQKTLLADQGEIRVGCKYQAEIPDRLVEGESDNRNQQKMEMKVWDPDNPLTDRQIDQFLV
VARAVGTFARALDCSSIRQPSLHMSAAAASRDITLFHAMDTLQRNGYDLAKAMSTLVPQGGPVL
CRDEMEEWSASEAMLFEAELEKYGKDFNDRQDFLPWKSASIVQFYMWKTTDRYQQKRLKA
AEADSKLKQVYIPTYTKPNPNQIISVGSKPGMNGAGFQKGLTCECHTTQSAQWYAWGPPNMQC
RLCASCWYWKYGGKLTPTQLEGATRGTEPHSRGHLRPEAQSLSPYTTSANRAKLLAKNRQT
FLLQTTKLTRLARRMCRDLLQPRRAARRPYAPINANAIAECSIRLPKAAKTPLKIHPLVRLPLATIVK
DLVAQAPLKPKTPRGTKTPINRNQLSQNRGLGGIMVKRAYETMAGAGVPFSANGRPLASGIRSSS
QPAKRQKLNADAPNPVVFVATKDTALRKALTHLEMRRAARRPNLPLKVKPTLIIVRPPVPLP
APSHPASTNEPMLD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

101.4

Interspecies Antigen Sequence

Mouse (98); Rat (98)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MTA2

Entrez GeneID	9219
GeneBank Accession#	NM_004739.2
Protein Accession#	NP_004730.2
Gene Name	MTA2
Gene Alias	DKFZp686F2281, MTA1L1, PID
Gene Description	metastasis associated 1 family, member 2
Omim ID	603947
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

metastasis -associated gene 1-like 1|metastasis associated gene family, member 2|metastasis-associated 1-like 1|metastasis-associated protein 2