

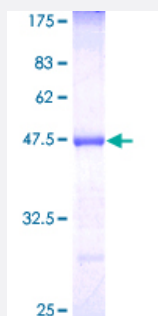
Full-Length

MTAP (Human) Recombinant Protein (P02)

Catalog # H00004507-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MTAP full-length ORF (AAH18625, 1 a.a. - 154 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MASGTTTTAVKIGIIGGTGLDDPEILEGRTEKYVDTPFGKPSDALILGKIKNVDCILLARHGRRQHTIMP SKVNYQANWALKEEGCTHVMTTACGSLREEIQPGDMIIDQFIDSHVRRACFPFTFHHDCFQRPP QKPSRSHCVSCATCRTMS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.68
Interspecies Antigen Sequence	Mouse (89)
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 — MTAP

Entrez GeneID	4507
GeneBank Accession#	BC018625
Protein Accession#	AAH18625
Gene Name	MTAP
Gene Alias	MSAP, c86fus
Gene Description	methylthioadenosine phosphorylase
Omim ID	156540
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an enzyme that plays a major role in polyamine metabolism and is important for the salvage of both adenine and methionine. The encoded enzyme is deficient in many cancers because this gene and the tumor suppressor p16 gene are co-deleted. Multiple alternatively spliced transcript variants have been described for this gene, but their full-length natures remain unknown. [provided by RefSeq]
Other Designations	5'-methylthioadenosine phosphorylase MeSAdo phosphorylase OTTHUMP00000021152

Pathway

- [Cysteine and methionine metabolism](#)

- [Metabolic pathways](#)

Disease

- [Brain Ischemia](#)
- [Diabetes Mellitus](#)
- [Gastrointestinal Neoplasms](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Intracranial Embolism](#)
- [Melanoma](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Nevus](#)
- [Precancerous Conditions](#)
- [Skin Neoplasms](#)
- [Sunburn](#)