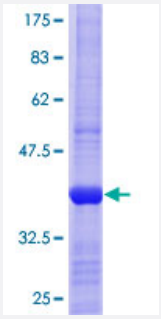
MTAP (Human) Recombinant Protein (Q01)

Catalog # H00004507-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MTAP partial ORF (NP_002442.2, 1 a.a. - 98 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MASGTTTTAVKIGIIGGTGLDDPEILEGRTEKYVDTPFGKPSDALILGKIKNVDCILLARHGRQHTIMP SKVNYQANIWALKEEGCTHVIVTTACGSL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (96)
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#	NM_002451
Protein Accession#	NP_002442.2
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