

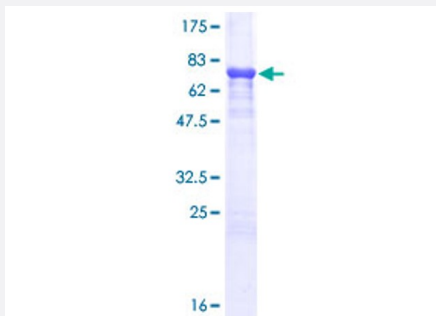
Full-Length

MTAP (Human) Recombinant Protein (P01)

Catalog # H00004507-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MTAP full-length ORF (AAH26106, 1 a.a. - 283 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASGTTTTAVKIGIGGTGLDDPEILEGRTEKYVDTPFGKPSDALILGKIKNVDCILLARHGRQHTIMP
SKVNYQANWALKEEGCTHVMTTACGSLREEIQPGDMIDQFIDRTTMRPQSFYDGSWSCARGVC
HIPMAEPFCPKTREVLITAKKLGLRCHSKGTMVIEGPRFSSRAESFMFRTWGADVIMTTVPEV
VLAKEAGICYASIAMATDYDCWKEHEEAVSVDRVLKTLKENANKAKSLLTTIPQIGSTEWSETLH
NLKNMAQFSVLLPRH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

56.87

Interspecies Antigen Sequence

Mouse (93)

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#**[BC026106](#)**Protein Accession#**[AAH26106](#)**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

Publication Reference

- [Lupus autoimmunity altered by cellular methylation metabolism.](#)

Yang ML, Gee AJ, Gee RJ, Zurita-Lopez CI, Khare S, Clarke SG, Mamula MJ.

Autoimmunity 2012 Nov; 46(1):21.

Application: Func, Mouse, Mouse lymphocyte

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](#)