

## Product datasheet for PH306024

### MTAP (NM\_002451) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MTAP MS Standard C13 and N15-labeled recombinant protein (NP_002442)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206024
Predicted MW:	31.3 kDa
Protein Sequence:	>RC206024 protein sequence Red=Cloning site Green=Tags(s)
	MASGTTTTAVKIGIIGGTGLDDPEILEGRTEKYVDTPFGKPSDALILGKIKNVDCILLARHGRQHTIMPS KVNYQANIWALKEEGCTHVIVTTACGSLREEIQPGDIVIIDQFIDRTTMRPQSFYDGSWSCARGVCHIPM AEPFCPKTREVLIETAKKLGLRCHSKGTMVTIEGPRFSSRAESFMFRWTGADVINMTTVPEVVLAKEAGI CYASIAMATDYDCWKEHEEAVSVDRVLKTLKENANKAKSLLLTTIPQIGSTEWSETLHNLKNMAQFSVLL PRH
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_002442</a>
RefSeq Size:	4937
RefSeq ORF:	849
Synonyms:	BDMF; c86fus; DMSFH; DMSMFH; HEL-249; LGMBF; MSAP
Locus ID:	4507



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UniProt ID: [Q13126](#), [A0A384ME80](#)

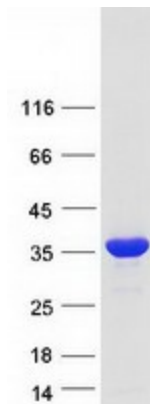
Cytogenetics: 9p21.3

**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, Jul 2008]

**Protein Families:** Druggable Genome

**Protein Pathways:** Cysteine and methionine metabolism, Metabolic pathways

### Product images:



Coomassie blue staining of purified MTAP protein (Cat# [TP306024]). The protein was produced from HEK293T cells transfected with MTAP cDNA clone (Cat# [RC206024]) using MegaTran 2.0 (Cat# [TT210002]).