

## Product datasheet for TP321424M

### AMD1 (NM\_001634) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human adenosylmethionine decarboxylase 1 (AMD1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221424 representing NM_001634 Red=Cloning site Green=Tags(s)

MEAAHFFEGTEKLLVWFSRQQPDANQGGDLRTIPRSEWDILLKDVQCSII SVTKTDKQEAYVLSSESM  
FVSKRRFILKTCGTTLLLKALVPLLK LARDYSGFDSIQSFFYSRKNFMKPSHQGYPHRNFQEEIEFLNAI  
FPNGAAYCMGRMNSDCWYLYTLDFPESRVISQPDQTL EILMSELDPAVMDQFYMKDGVTAKDVTRESGIR  
DLIPGSVIDATMFNPCGYSMNGMKSDGTYWTHITPEPEFSYVSFETNLSQTSYDDLIRKVVVEFKPGKF  
VTTLFVNQSSKCRTVLASPQKIEGFKRLDCQSAMFNDYNFVFTSFAKKQQQQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	38.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001625</a>
Locus ID:	262



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UniProt ID: [P17707](#), [B4DZ60](#), [AOA088AWN0](#), [Q6N0B2](#)

RefSeq Size: 3421

Cytogenetics: 6q21

RefSeq ORF: 1002

Synonyms: ADOMETDC; AMD; SAMDC

**Summary:** This gene encodes an important intermediate enzyme in polyamine biosynthesis. The polyamines spermine, spermidine, and putrescine are low-molecular-weight aliphatic amines essential for cellular proliferation and tumor promotion. Multiple alternatively spliced transcript variants have been identified. Pseudogenes of this gene are found on chromosomes 5, 6, 10, X and Y. [provided by RefSeq, Dec 2013]

**Protein Families:** Druggable Genome

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

### Product images:



Coomassie blue staining of purified AMD1 protein (Cat# [TP321424]). The protein was produced from HEK293T cells transfected with AMD1 cDNA clone (Cat# [RC221424]) using MegaTran 2.0 (Cat# [TT210002]).