

# **Product datasheet for TP321424L**

#### OriGene Technologies, Inc.

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## AMD1 (NM\_001634) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human adenosylmethionine decarboxylase 1 (AMD1), transcript

variant 1, 1 mg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC221424 representing NM\_001634

or AA Sequence: Red=Cloning site Green=Tags(s)

MEAAHFFEGTEKLLEVWFSRQQPDANQGSGDLRTIPRSEWDILLKDVQCSIISVTKTDKQEAYVLSESSM FVSKRRFILKTCGTTLLLKALVPLLKLARDYSGFDSIQSFFYSRKNFMKPSHQGYPHRNFQEEIEFLNAI FPNGAAYCMGRMNSDCWYLYTLDFPESRVISQPDQTLEILMSELDPAVMDQFYMKDGVTAKDVTRESGIR DLIPGSVIDATMFNPCGYSMNGMKSDGTYWTIHITPEPEFSYVSFETNLSQTSYDDLIRKVVEVFKPGKF

VTTLFVNQSSKCRTVLASPQKIEGFKRLDCQSAMFNDYNFVFTSFAKKQQQQQS

**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: NP 001625

Locus ID: 262



### AMD1 (NM\_001634) Human Recombinant Protein - TP321424L

UniProt ID: <u>P17707</u>, <u>B4DZ60</u>, <u>A0A088AWN0</u>, <u>Q6N0B2</u>

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

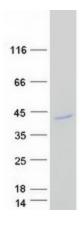
transcript variants have been identified. Pseudogenes of this gene are found on chromosomes

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]).