

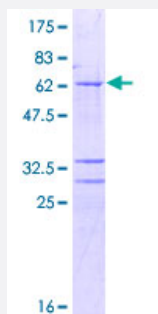
Full-Length

AMD1 (Human) Recombinant Protein (P01)

Catalog # H00000262-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human AMD1 full-length ORF (NP_001625.2, 1 a.a. - 334 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEAAHFFEGTEKLLLEVWFSRQQPDANQSGDLRTIPRSEWDILLKDVQCSIIISVTKTDKQEAYVL
SESSMFVSKRRFILKTCGTLLLLKALVPLLKLARDYSGFDSIQSFFYSRKNFMKPSHQGYPHRNQFQ
EEIEFLNAIFPNGAAYCMGRMNSDCWLYTLDFPESRVISQPDQTEILMSELDPAVMDQFYMKD
GVTAKDVTRESGIRDLPISVIDATMFNPGYSMNGMKSDGTWYTHITPEPEFSYVSFETNLSQTS
YDDLIRKVVVEVFKPGKFVTTLFVNQSSKCRTVLASPQKIEGFKRLDCQSAMFNDYNFVFTSFAKK
QQQQQS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

64.7

Interspecies Antigen Sequence

Mouse (98)

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 — AMD1

Entrez GeneID[262](#)**GeneBank Accession#**[NM_001634.4](#)**Protein Accession#**[NP_001625.2](#)**Gene Name**

AMD1

Gene Alias

ADOMETDC, AMD, DKFZp313L1234, FLJ26964, SAMDC

Gene Description

adenosylmethionine decarboxylase 1

Omim ID[180980](#)**Gene Ontology**[Hyperlink](#)**Gene 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. Two alternatively spliced transcript variants that encode different proteins have been identified. [provided by RefSeq]

Other Designations

OTTHUMP00000017012|OTTHUMP00000017013|S-adenosylmethionine decarboxylase 1

Pathway

- [Arginine and proline metabolism](#)

- [Cysteine and methionine metabolism](#)
- [Metabolic pathways](#)

Disease

- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Macular Degeneration](#)
- [Microsatellite Instability](#)
- [Spinal Dysraphism](#)