Recombinant Human AMD1, GST-tagged

Cat. No. AMD1-9610H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AMD1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-334a.a.
Description	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. Pseudogenes of this gene are found on chromosomes 5, 6, 10, X and Y.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	AMD1 adenosylmethionine decarboxylase 1 [Homo sapiens]

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Official Symbol	AMD1
Synonyms	AMD1; adenosylmethionine decarboxylase 1; S adenosylmethionine decarboxylase 1; S-adenosylmethionine decarboxylase proenzyme; SAMDC; S-adenosylmethionine decarboxylase 1; AMD; ADOMETDC; FLJ26964; DKFZp313L1234;
Gene ID	262
mRNA Refseq	NM_001033059
Protein Refseq	NP_001028231
MIM	180980
UniProt ID	P17707
Chromosome Location	6q21
Pathway	Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Cysteine and methionine metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem;
Function	adenosylmethionine decarboxylase activity; adenosylmethionine decarboxylase activity; lyase activity;

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