

Recombinant Human AMPD2

Cat. No. AMPD2-27197TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human AMPD2, isoform Ex1A-2-3 with N terminal proprietary tag; Predicted MW 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	Adenosine monophosphate deaminase-2 (EC 3.5.4.6) catalyzes the deamination of AMP to IMP and plays an important role in the purine nucleotide cycle.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Three isoforms are present in mammals: AMP deaminase 1 is the predominant form in skeletal muscle; AMP deaminase 2 predominates in smooth muscle, non-muscle tissue, embryonic muscle and undifferentiated myoblasts; AMP deaminase 3 is found in erythrocytes.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	ISQDVKLEPDILLRAKQDFLKTDSDDLQLYKEQGEGQGDRSLRERDVLEREFQRVT ISGEEKCGVPFTDLLDAAKSVVRALFIREKYMALSLQSFCPTT
Sequence Similarities	Belongs to the adenosine and AMP deaminases family.

GENE INFORMATION

Gene Name	AMPD2 adenosine monophosphate deaminase 2 [Homo sapiens]
Official Symbol	AMPD2
Synonyms	AMPD2; adenosine monophosphate deaminase 2; adenosine monophosphate deaminase 2 (isoform L); AMP deaminase 2; AMPD isoform L;
Gene ID	271
mRNA Refseq	NM_004037
Protein Refseq	NP_004028
MIM	102771
Uniprot ID	Q01433
Chromosome Location	1p13.3
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific

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biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, organism-specific biosystem;

Function

AMP deaminase activity; hydrolase activity; metal ion binding;

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