

Recombinant Mouse Ampd2 Protein, His-tagged

Cat. No. Ampd2-144M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ampd2 Protein (Asn573-Pro798) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asn573-Pro798
Description	Enables AMP deaminase activity. Involved in ATP metabolic process and purine ribonucleotide metabolic process. Acts upstream of or within several processes, including IMP biosynthetic process; cholesterol homeostasis; and energy homeostasis. Predicted to be active in cytosol. Is expressed in several structures, including endocrine gland; genitourinary system; nervous system; and vascular system. Human ortholog(s) of this gene implicated in hereditary spastic paraplegia 63 and pontocerebellar hypoplasia type 9. Orthologous to human AMPD2 (adenosine monophosphate deaminase 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.5 kDa Accurate Molecular Mass: 30 kDa
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Ampd2 adenosine monophosphate deaminase 2 [Mus musculus (house mouse)]
Official Symbol	Ampd2
Synonyms	AMPD2; adenosine monophosphate deaminase 2; AMP deaminase 2; adenosine monophosphate deaminase 2 (isoform L); Ampd-2; AI552571; 1200014F01Rik
Gene ID	109674
mRNA Refseq	NM_028779
Protein Refseq	NP_083055
UniProt ID	Q9DBT5

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