

Recombinant Mouse Aifm2 Protein, His-tagged

Cat. No. Aifm2-1260M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Aifm2 Protein (Gly2-Pro373) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gly2-Pro373
Description	Predicted to enable several functions, including electron-transferring-flavoprotein dehydrogenase activity; flavin adenine dinucleotide binding activity; and oxidoreductase activity, acting on NAD(P)H, quinone or similar compound as acceptor. Involved in regulation of cellular response to oxidative stress. Located in mitochondrial membrane and nucleus. Is expressed in adrenal medulla; central nervous system; and retina. Orthologous to human AIFM2 (apoptosis inducing factor mitochondria associated 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 44.2 kDa Accurate Molecular Mass: 44 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Aifm2 apoptosis-inducing factor, mitochondrion-associated 2 [Mus musculus (house mouse)]
Official Symbol	Aifm2
Synonyms	Aifm2; apoptosis-inducing factor, mitochondrion-associated 2; Amid; FSP1; PRG3; 5430437E11Rik; D730001I10Rik; ferroptosis suppressor protein 1; apoptosis-inducing factor (AIF)-like mitochondrion-associated inducer of death; apoptosis-inducing factor 2; apoptosis-inducing factor homologous mitochondrion-associated inducer of death; apoptosis-inducing factor-like mitochondrion-associated inducer of death; apoptosis-inducing factor-like mitochondrion-associated inducer of death; p53-responsive gene 3 protein; EC 1.6.5.-
Gene ID	71361
mRNA Refseq	NM_001039194

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Protein Refseq	NP_001034283
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UniProt ID	Q8BUE4
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