

Active Recombinant Human AIFM2 Protein, His-tagged

Cat. No. AIFM2-016H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active recombinant N-terminal His-tagged human FSP1 protein (2-373) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-373
Description	This gene encodes a flavoprotein oxidoreductase that binds single stranded DNA and is thought to contribute to apoptosis in the presence of bacterial and viral DNA. The expression of this gene is also found to be induced by tumor suppressor protein p53 in colon cancer cells.
Molecular Mass	42.5 kDa
Purity	≥70% estimated by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme required to produce 1 nmol of NAD ⁺ per minute at 25 centigrade in 25 mM Tris-HCl, pH 7.4, with 150 mM sodium chloride and 200 μM coenzyme Q1.
Applications	Enzyme assay
Stability	≥ 2 years

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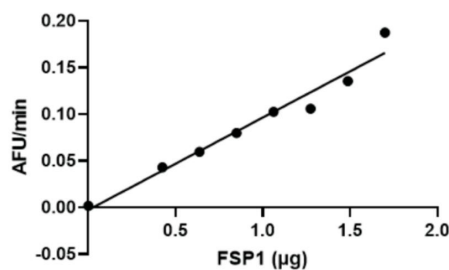
Storage	At -80 centigrade.
Storage Buffer	50 mM potassium phosphate, pH 7.8, with 200 mM sodium chloride, 10% glycerol, and 0.1 mM TCEP
GENE INFORMATION	
Gene Name	AIFM2 apoptosis inducing factor mitochondria associated 2 [Homo sapiens (human)]
Official Symbol	AIFM2
Synonyms	AIFM2; apoptosis inducing factor mitochondria associated 2; AMID; FSP1; PRG3; ferroptosis suppressor protein 1; apoptosis-inducing factor (AIF)-like mitochondrion-associated inducer of death; apoptosis-inducing factor 2; apoptosis-inducing factor, mitochondrion-associated, 2; p53-responsive gene 3 protein
Gene ID	84883
mRNA Refseq	NM_032797
Protein Refseq	NP_116186
MIM	605159
UniProt ID	Q9BRQ8

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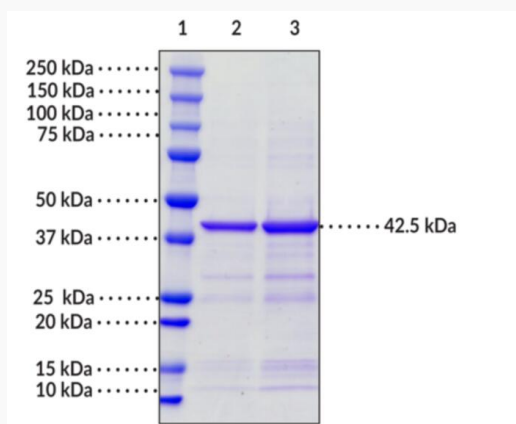
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Activity of FSP1.



FSP1 activity was determined by measuring oxidation of the cofactor NADH at 340 nm during enzymatic reduction of coenzyme Q1 to ubiquinol.

SDS-PAGE analysis of AIFM2



Lane 1: MW Markers

Lane 2: AIFM2 (2 μg)

Lane 3: AIFM2 (4 μg)