

Recombinant Mouse Apaf1 protein, His-tagged

Cat. No. Apaf1-1755M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Apaf1(Arg872~Phe1135) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Arg872~Phe1135
Description	Apaf1 played an important role in many functions.
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Molecular Mass	30.9kDa
AA Sequence	MGHHHHHHSGSEF- RLKVADCRG HLSWVHGVMF SPDGSSFLTA SDDQTIRVWE TKKVCKNSAI VLKQEIDVVF QENETMVLAV DNIRGLQLIA GKTGQIDYLP EAQVSCCCLS PHLEYVAFGD EDGAIKIEL PNNRVFSSGV GHKKAVRHIQ FTADGKTLIS SSEDVSIQVW NWQTGDYVFL QAHQETVKDF RLLQDSRLLS WSFDGTVKVV NVITGRIERD FTCHQGTVLS CAISSDATKF SSTSADKTAK IWSFDLLSPL HELKGHNGCV RCSAF
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
GENE INFORMATION	
Gene Name	Apaf1 apoptotic peptidase activating factor 1 [Mus musculus]
Official Symbol	Apaf1
Synonyms	APAF1; apoptotic peptidase activating factor 1; apoptotic protease-activating factor 1; forebrain overgrowth; apoptotic protease activating factor 1; fog; Apaf-1; Apaf1l; mKIAA0413; 6230400I06Rik; KIAA0413;
Gene ID	11783
mRNA Refseq	NM_001042558
Protein Refseq	NP_001036023
MIM	
UniProt ID	O88879
Chromosome Location	10 45.47 cM; 10 C3-D1
Pathway	Activation of caspases through apoptosome-mediated cleavage, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease,

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conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem;

Function

ADP binding; ATP binding; apoptotic protease activator activity; heat shock protein binding; identical protein binding; identical protein binding; nucleotide binding;

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