

Recombinant Rat Apaf1 Protein, His-tagged

Cat. No. Apaf1-197R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Apaf1 Protein (Lys4-Gln344) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Lys4-Gln344
Description	Enables heat shock protein binding activity and identical protein binding activity. Involved in several processes, including animal organ development; cardiac muscle cell apoptotic process; and cellular response to transforming growth factor beta stimulus. Located in cytoplasm. Part of apoptosome. Used to study visual epilepsy. Biomarker of brain ischemia; colon cancer; middle cerebral artery infarction; and muscular atrophy. Orthologous to human APAF1 (apoptotic peptidase activating factor 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 38.1 kDa
Purity	> 97%
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, 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	Apaf1 apoptotic peptidase activating factor 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Apaf1
Synonyms	APAF1; apoptotic peptidase activating factor 1; apoptotic protease-activating factor 1; apaf-1; apoptotic protease activating factor 1
Gene ID	78963
mRNA Refseq	NM_023979
Protein Refseq	NP_076469
UniProt ID	Q9EPV5