

Recombinant Human API5 protein, His-tagged

Cat. No. API5-1171H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human API5 aa. (Pro2~Phe360 fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro2~Phe360
Description	This gene encodes an apoptosis inhibitory protein whose expression prevents apoptosis after growth factor deprivation. This protein suppresses the transcription factor E2F1-induced apoptosis and also interacts with, and negatively regulates Acinus, a nuclear factor involved in apoptotic DNA fragmentation. Its depletion enhances the cytotoxic action of the chemotherapeutic drugs. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.
Form	Freeze-dried powder
Molecular Mass	44kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>97%
Characteristic	The isoelectric point is 4.7.

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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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	API5 apoptosis inhibitor 5 [Homo sapiens (human)]
Official Symbol	API5
Synonyms	API5; apoptosis inhibitor 5; AAC11; AAC-11; FIF; antiapoptosis clone 11 protein; cell migration-inducing gene 8 protein; fibroblast growth factor 2-interacting factor 2; migration-inducing protein MIG8
Gene ID	8539
mRNA Refseq	NM_001142930.1

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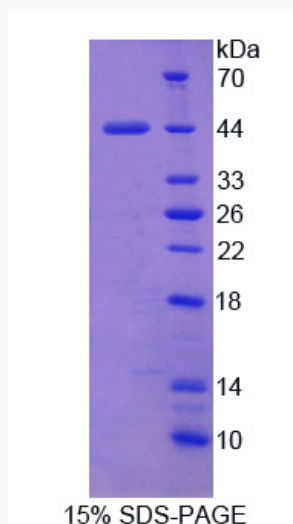
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Protein Refseq NP_001136402.1

UniProt ID Q9BZZ5

SDS-PAGE



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