

RP02120

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# Recombinant Human Caspase-3/CASP3 Protein

Catalog No.: RP02120

Recombinant

## Sequence Information

| Species        | Gene ID | Swiss Prot |
|----------------|---------|------------|
| <i>E. coli</i> | 836     | Q5IS54     |

### Tags

C-6His

### Synonyms

CASP3; CPP32;Caspase-3; CASP-3;  
EC:3.4.22.56; Apopain; Cysteine  
protease CPP32; CPP-32; Protein Yama;  
SREBP cleavage activity 1; SCA-1;  
Cleaved into: Caspase-3 subunit p17;  
Caspase-3 subunit p12

## Product Information

### Source

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

### Purification

≥ 95 % as determined by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

## Background

## Basic Information

### Description

Recombinant Human Caspase-3/CASP3 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ser29-His277) of human Caspase-3/CASP3 (Accession #NP\_001012435.1) fused with a 6×His tag at the C-terminus.

### Bio-Activity

### Shipping

Lyophilized proteins are shipped at ambient temperature.  
Liquid proteins are shipped at frozen temperature with dry ice.  
Upon receipt, store it immediately at the temperature recommended below.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

### Storage

Store at -20°C  
Avoid repeated freeze/thaw cycles.

Centrifuge the vial before opening.  
Reconstitute to a concentration of  
0.1-0.5 mg/mL in sterile distilled water.  
Avoid vortex or vigorously pipetting  
the protein. For long term storage, it is  
recommended to add a carrier protein  
or stabilizer (e.g. 0.1% BSA, 5% HSA,  
10% FBS or 5% Trehalose), and aliquot  
the reconstituted protein solution to  
minimize free-thaw cycles.

## Contact

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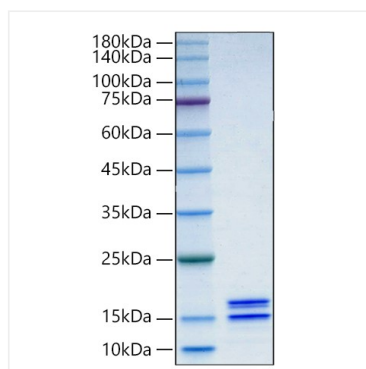


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## Validation Data

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Recombinant Human  
Caspase-3/CASP3 Protein was  
determined by SDS-PAGE under  
reducing conditions with Coomassie  
Blue.