

# Recombinant human Caspase-2 protein

Catalog Number: ATGP2688

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

348-452aa

### UniProt No.

P42575

### NCBI Accession No.

NP\_116764.2

### Alternative Names

Caspase 2 isoform 1, CASP-2, ICH1, NEDD-2, NEDD2, PPP1R57

## PRODUCT SPECIFICATION

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### Molecular Weight

14.1 kDa (126aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

### Purity

> 80% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CASP2 is a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. The proteolytic cleavage of this protein is induced by a variety of apoptotic stimuli. Alternative splicing of this gene results in multiple transcript variants that encode different isoforms. Recombinant human CASP2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH M>AGKEKLPKM RLPTRSDMIC GYACLKGTAA MRNTRKGSWY IEALAQVFSE  
RACDMHVADM LVKVNALIKD REGYAPGTEF HRCKEMSEYC STLCRHLYLF PGHPPT

## General References

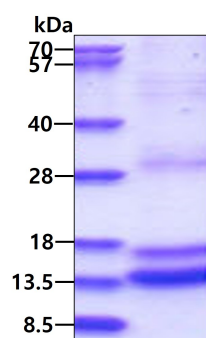
Wang L., Miura M, et al. (1994) Cell 78:739-750

Droin N., Beauchemin M., et al. (2000) Cancer Res. 60:7039-7047

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.