

Datasheet for ABIN7280651

**Caspase 3 Protein (CASP3) (AA 176-277)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	Caspase 3 (CASP3)
Protein Characteristics:	AA 176-277
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	MSGVDDDMAC HKIPVEADFL YAYSTAPGY Y SWRNSKDG SW FIQSLCAMLK QYADKLEFMH ILTRVNRKVA TEFESFSFDA TFHAKKQIPC IVSMLTKELY FYH
Purity:	> 80 % by SDS - PAGE

## Target Details

Target:	Caspase 3 (CASP3)
Alternative Name:	CASP3 ( <a href="#">CASP3 Products</a> )
Background:	CASP3 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. This protein cleaves and activates caspases 6, 7 and 9, and the protein itself is

## Target Details

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processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. Recombinant human CASP3 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Molecular Weight: 12 kDa (103aa)

NCBI Accession: [NP\\_116786](#)

UniProt: [P42574](#)

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Sensory Perception of Sound](#), [ER-Nucleus Signaling](#), [Positive Regulation of Endopeptidase Activity](#), [Activated T Cell Proliferation](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Denatured

Restrictions: For Research Use only

## Handling

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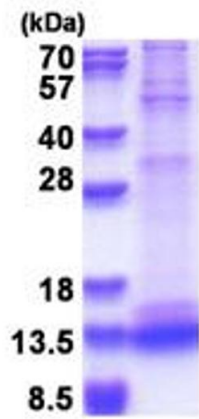
Format: Liquid

Concentration: 0.5 mg/mL

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

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

**SDS-PAGE**

Image 1.