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Caspase-7, human recombinant protein

Caspase-7
Catalog # PBV10016r

Specification

Caspase-7, human recombinant protein - Product info

Primary Accession	P55210

Caspase-7, human recombinant protein - Additional Info

Gene ID	**840**
Gene Symbol	**CASP7**

Other Names
Caspase-7, CASP-7, Apoptotic protease Mch-3, CMH-1, ICE-like apoptotic protease 3

Gene Source	**Human**
Source	**E.coli**
Assay&Purity	**SDS-PAGE; ≥90%**
Assay2&Purity2	**HPLC;**
Recombinant	**Yes**

Target/Specificity
Caspase-7

Application Notes
Reconstitute to 1 unit per µl in PBS containing 15% glycerol.

Format
Lyophilized powder

Storage
-70°C; Lyophilized powder

Caspase-7, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Caspase-7, human recombinant protein - Images

Caspase-7, human recombinant protein - Background

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Caspase-7 (also know as Mch3, ICE-LAP3, CMH-1) is a member of the caspase-family of cysteine proteases. Similar to other caspases, caspase-7 also exists in cells as an inactive proenzyme. During apoptosis procaspase-7 is processed at aspartate residues by self-proteolysis and/or cleavage by another caspase. The processed active form of caspase-7 consists of large and small subunits which associate to form the active enzyme. Active caspase-7 has been shown involving in the proteolysis of PARP (poly ADP-ribose polymerase), an enzyme that is involved in DNA repair and genomic maintenance.

The recombinant active human caspase-7 was expressed in E. coli. The active caspase-7 is routinely tested at BioVision for its ability to enzymatically cleave these two substrates Ac-DEVD-pNA DEVD-AFC

Caspase-7, human recombinant protein - References

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