

Caspase-7, human recombinant protein**Caspase-7****Catalog # PBV10016r****Specification**

Caspase-7, human recombinant protein - Product infoPrimary 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 Cytometry](#)
- [Cell Culture](#)

Caspase-7, human recombinant protein - Images**Caspase-7, human recombinant protein - Background**

Caspase-7 (also known 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

Fernandes-Alnemri T., et al. *Cancer Res.* 55:6045-6052(1995).
Duan H., et al. *J. Biol. Chem.* 271:1621-1625(1996).
Lippke J.A., et al. *J. Biol. Chem.* 271:1825-1828(1996).
Juan T.S.-C., et al. *Genomics* 40:86-93(1997).
Kalline N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.