

Caspase-8, human recombinant protein**Caspase-8****Catalog # PBV10017r****Specification**

Caspase-8, human recombinant protein - Product infoPrimary Accession [Q14790](#)**Caspase-8, human recombinant protein - Additional Info**Gene ID **841**Gene Symbol **CASP8****Other Names**

Caspase-8, CASP-8, Apoptotic cysteine protease, Apoptotic protease Mch-5, CAP4, FADD-homologous ICE/ced-3-like protease, FADD-like ICE, FLICE, ICE-like apoptotic protease 5, MORT1-associated ced-3 homolog

Gene Source **Human**Source **E.coli**Assay&Purity **SDS-PAGE; ≥95%**Assay2&Purity2 **HPLC;**Recombinant **Yes****Target/Specificity**

Caspase-8

Application Notes

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

Format

Lyophilized powder

Storage

-70°C; Lyophilized powder

Caspase-8, 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-8, human recombinant protein - Images

Caspase-8, human recombinant protein - Background

Caspase-8 (also know as FLICE, MASH, Mch5) is a member of the caspase-family of cysteine proteases. Similar to other caspases, caspase-8 also exists in cells as an inactive proenzyme. During apoptosis procaspase-8 is processed at aspartate residues by self-proteolysis and/or cleavage by another caspase. The processed active form of caspase-8 consists of large and small subunits which associate to form the active enzyme. Active caspase-8 has been shown to activate caspase-3 leading to degradation of a variety of cellular target proteins during apoptosis. The recombinant active human caspase-8 was expressed in E. coli. The active caspase-8 is routinely tested at BioVision for its ability to enzymatically cleave these two substrates Ac-IETD-pNA or Ac-IETD-AFC.

Caspase-8, human recombinant protein - References

Boldin M.P.,et al.Cell 85:803-815(1996).
Muzio M.,et al.Cell 85:817-827(1996).
Fernandes-Alnemri T.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:7464-7469(1996).
Srinivasula S.M.,et al.J. Biol. Chem. 272:18542-18545(1997).
Grenet J.,et al.Gene 226:225-232(1999).