

Caspase-5, human recombinant protein**Caspase-5****Catalog # PBV10014r****Specification**

Caspase-5, human recombinant protein - Product infoPrimary Accession [P51878](#)**Caspase-5, human recombinant protein - Additional Info**

Gene ID	838
Gene Symbol	CASP5
Other Names	
Caspase-5, CASP-5, ICE(rel)-III, Protease ICH-3, Protease TY	
Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	HPLC;
Recombinant	Yes
Target/Specificity	
Caspase-5	

Application Notes

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

Format

Lyophilized powder

Storage

-70°C; Lyophilized powder

Caspase-5, 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-5, human recombinant protein - Images**Caspase-5, human recombinant protein - Background**

Caspase-5 (also known as ICErelIII, TY) is a member of the caspase-family of cysteine proteases. Similar to other caspases, caspase-5 exists in cells as an inactive proenzyme which is matured by proteolysis to yield large and small subunits. The active caspase-5 is a heterotetramer consisting of two large and two small subunits. To date the mechanism of caspase-5 activation and roles of caspase-5 in apoptosis are poorly understood.

The recombinant active human caspase-5 was expressed in *E. coli*. The active caspase-5 is routinely tested at BioVision for its ability to enzymatically cleave these two substrates Ac-WEHD-pNA or Ac-WEHD-AFC

Caspase-5, human recombinant protein - References

Eckhart L., et al. *Biochem. Biophys. Res. Commun.* 348:682-688(2006).
Ota T., et al. *Nat. Genet.* 36:40-45(2004).
Taylor T.D., et al. *Nature* 440:497-500(2006).
Munday N.A., et al. *J. Biol. Chem.* 270:15870-15876(1995).
Faucheu C., et al. *Eur. J. Biochem.* 236:207-213(1996).