10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Caspase-5, human recombinant protein

Caspase-5
Catalog # PBV10014r

Specification

Caspase-5, human recombinant protein - Product info

Primary 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 Cytomety
- Cell Culture

Caspase-5, human recombinant protein - Images

Caspase-5, human recombinant protein - Background

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Caspase-5 (also know 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

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Ota T.,et al.Nat. Genet. 36:40-45(2004).
Taylor T.D.,et al.Nature 440:497-500(2006).
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