

Caspase-2, human recombinant protein**Caspase-2****Catalog # PBV10011r****Specification**

Caspase-2, human recombinant protein - Product info

Primary Accession

[P42575](#)

Calculated MW

**two large (19 kDa) and two small (12 kDa)
subunits kDa****Caspase-2, human recombinant protein - Additional Info**

Gene ID

835

Gene Symbol

CASP2**Other Names**Caspase-2, CASP-2, Neural precursor cell expressed developmentally down-regulated protein 2,
NEDD-2, Protease ICH-1

Gene Source

Human

Source

E.coli

Assay&Purity

SDS-PAGE; ≥95%

Assay2&Purity2

HPLC;

Recombinant

Yes**Target/Specificity**

Caspase-2

Application Notes

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

Format

Lyophilized powder

Storage

-70°C; Lyophilized powder

Caspase-2, 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-2, human recombinant protein - Images

Caspase-2, human recombinant protein - Background

Caspase-2 (also known as Ich-1, Nedd-2) is a member of the caspase-family of cysteine proteases. Similar to other caspases, caspase-2 also exists in cells as an inactive proenzyme. During apoptosis pro-caspase-2 is processed at aspartate residues by self-proteolysis and/or cleavage by upstream caspases. The processed active caspase-2 is a heterotetramer consisting of two large (19 kDa) and two small (12 kDa) subunits. The recombinant active human caspase-2 was expressed in *E. coli*. The active caspase-2 preferentially cleaves caspase-2 substrates (e.g., VDVAD-AFC or VDVAD-pNA) and is routinely tested at BioVision for its ability to enzymatically cleave these two substrates Ac-VDVAD-pNA or Ac-VDVAD-AFC

Caspase-2, human recombinant protein - References

Wang L., et al. *Cell* 78:739-750(1994).
Droin N., et al. *Cancer Res.* 60:7039-7047(2000).
Halleck A., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. *Nat. Genet.* 36:40-45(2004).
Hillier L.W., et al. *Nature* 424:157-164(2003).