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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 Cytomety
- Cell Culture

Caspase-2, human recombinant protein - Images

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Caspase-2, human recombinant protein - Background

Caspase-2 (also know 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).