

Caspases Group III, Active Human recombinant protein
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Catalog # PBV11434r**Specification**

Caspases Group III, Active Human recombinant protein - Product infoPrimary Accession [Q92851](#)**Caspases Group III, Active Human recombinant protein - Additional Info**

Gene ID	CASP6- 839 CASP8- 841 CASP9- 842 CASP10- 843
Gene Symbol	CASP6 CASP8 CASP9 CASP10
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE;
Assay2&Purity2	HPLC;
Recombinant	Yes

Application Notes

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

Format

Lyophilized

Storage

-70°C; Lyophilized powder

Caspases Group III, Active 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](#)

Caspases Group III, Active Human recombinant protein - Images**Caspases Group III, Active Human recombinant protein - Background**

Caspase family consists of more than 10 members. Based on their extended substrate specificities, these enzymes were divided into three major groups: Group I (contains caspase-1,-4,-5), Group II (contains caspase-2,-3,-7), and Group III (contains caspase-6,-8,-9,-10). Evidences have suggested that Group I caspases are involved primarily in the production of inflammatory cytokines, while group II and III enzymes function in apoptosis as effectors and upstream activators, respectively.

The Group III recombinant caspases were expressed in E. coli and routinely tested for their ability to enzymatically cleave the substrate VEID-pNA (for caspase-6), IETD-pNA (for caspase-8 & -10) and LEHD-pNA (for caspase-9), respectively.

Caspases Group III, Active Human recombinant protein - References

Fernandes-Alnemri T., et al. Proc. Natl. Acad. Sci. U.S.A. 93:7464-7469(1996).
Vincenz C., et al. J. Biol. Chem. 272:6578-6583(1997).
Ng P.W., et al. J. Biol. Chem. 274:10301-10308(1999).
Hadano S., et al. Genomics 71:200-213(2001).
Vonarbourg C., et al. Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.