

Active Human Caspases Group I, Active Human recombinant protein
Active Human Caspases Group I, Active Human
Catalog # PBV11432r**Specification**

Active Human Caspases Group I, Active Human recombinant protein - Product infoPrimary Accession [P51878](#)**Active Human Caspases Group I, Active Human recombinant protein - Additional Info**

Gene ID	CASP1- 834 CASP4- 837 CASP5 -838
Gene Symbol	CASP1 CASP4 CASP5
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE;
Assay2&Purity2	HPLC;
Recombinant	Yes

Application Notes

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

Format

Lyophilized

Storage

-70°C; Lyophilized powder

Active Human Caspases Group I, 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](#)

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

The 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 I caspases were expressed in E. coli and routinely

tested for their ability to enzymatically cleave the substrate YVAD-pNA (for caspase-1) and WEHD-pNA (for caspase-4 & -5).

Active Human Caspases Group I, Active Human recombinant protein - References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).

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