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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 info

Primary 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 Cytomety
- Cell Culture

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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Taylor T.D.,et al.Nature 440:497-500(2006).
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Faucheu C.,et al.Eur. J. Biochem. 236:207-213(1996).