

Caspases Group II, Activ Human recombinant protein
Caspases Group II, Active Human
Catalog # PBV11433r**Specification**

Caspases Group II, Activ Human recombinant protein - Product infoPrimary Accession [P55210](#)**Caspases Group II, Activ Human recombinant protein - Additional Info**

Gene ID	CASP2- 835 CASP3- 836 CASP7- 840
Gene Symbol	CASP2 CASP3 CASP7
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.

Format

Lyophilized

Storage

-70°C; Lyophilized powder

Caspases Group II, Activ 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 II, Activ Human recombinant protein - Images**Caspases Group II, Activ 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 caspases were expressed in E. coli and routinely tested for their ability to enzymatically

cleave the substrate VDVAD-pNA (for caspase-2) and DEVD-pNA (for caspase-3 & -7).

Caspases Group II, Activ Human recombinant protein - References

Fernandes-Alnemri T., et al. Cancer Res. 55:6045-6052(1995).
Duan H., et al. J. Biol. Chem. 271:1621-1625(1996).
Lippke J.A., et al. J. Biol. Chem. 271:1825-1828(1996).
Juan T.S.-C., et al. Genomics 40:86-93(1997).
Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.