

Cathepsin D (active, human) recombinant protein
Cathepsin D (active, human)
Catalog # PBV10002r**Specification**

Cathepsin D (active, human) recombinant protein - Product infoPrimary Accession [P07339](#)**Cathepsin D (active, human) recombinant protein - Additional Info**

Gene ID	1509
Gene Symbol	CTSB
Other Names	
Cathepsin D	
Gene Source	Human
Source	Human liver
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	HPLC;
Recombinant	No
Target/Specificity	
Cathepsin D	

Application Notes

Reconstitute the vial in H₂O to a concentration of 0.1-1 µg/ µl. Aliquot and refreeze at -80°C immediately for future use.

Format

Lyophilized

Storage

-80°C; Lyophilized from a solution containing 2 mM sodium phosphate, pH 6.5

Cathepsin D (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](#)

Cathepsin D (active, human) recombinant protein - Images**Cathepsin D (active, human) recombinant protein - Background**

Cathepsin D is an estrogen-regulated protein associated with tissue breakdown. Levels of cathepsin D have been positively correlated with recurring breast cancers of both node negative and node positive types. Additionally cathepsin D has been associated with amyloid formation in Alzheimer's plaques. As cathepsin D activity is increased by cigarette smoke, the enzyme may contribute to lung tissue damage in smokers.

Cathepsin D (active, human) recombinant protein - References

Faust P.L.,et al.Proc. Natl. Acad. Sci. U.S.A. 82:4910-4914(1985).
Westley B.R.,et al.Nucleic Acids Res. 15:3773-3786(1987).
Redecker B.,et al.DNA Cell Biol. 10:423-431(1991).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.