

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

Specification

Cathepsin D (active, human) recombinant protein - Product info

Primary Accession

<u>P07339</u>

1509

CTSB

Cathepsin D (active, human) recombinant protein - Additional Info

Gene ID Gene Symbol Other Names Cathepsin D

Gene Source Source Assay&Purity Assay2&Purity2 Recombinant Target/Specificity Cathepsin D Human

Human liver SDS-PAGE; ≥95% HPLC; No

Application Notes Reconstitute the vial in H₂O to a concentration of 0.1-1 μ g/ μ l. 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.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

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.