



Product Datasheet

Product Name	Cathepsin-D Human Recombinant
Cata No	CB501387
Source	<i>Escherichia Coli.</i>
Synonyms	Cathepsin D, EC 3.4.23.5, CTSD, CPSD, CLN10, MGC2311.

Description

Cathepsin D is synthesized as a 54kDa precursor, which is proteolytically processed to an intermediate 48kDa single chain, which matures into more stable 34kDa and 14kDa two chain form. It is an estrogen-regulated lysosomal protease that has been suggested to facilitate cancer cell migration and invasion by digesting the basement membrane, extracellular matrix, and connective tissue. Because of its mitogenic and proteolytic activities, it has been implicated as a prognostic marker in many tumor types. Cathepsin D is expressed in epithelial cells as well as in macrophages.

Cathepsin D Human Recombinant full length protein expressed in E.coli, shows a 48 kDa band on SDS-PAGE.

The Cathepsin D is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered clear solution.

Formulation

Cathepsin D at 0.1mg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.

Stability

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

Please prevent freeze-thaw cycles.

Applications

- ELISA
- Inhibition Assays
- Western Blotting