



Product Datasheet

Product Name	Cathepsin-L Human Recombinant
Cata No	CB501386
Source	<i>Escherichia Coli.</i>
Synonyms	Cathepsin L1, EC 3.4.22.15, Major excreted protein, MEP, CTSL1, CTSL, CATL, FLJ31037.

Description

Cathepsins B, C, H, L, S, V, X/Z/P and 1 are cysteine proteases of the papain family. Cathepsin C is also known as DPPI (dipeptidyl-peptidase I). Cathepsin A is a serine carboxypeptidase and Cathepsin D and E are aspartic proteases. As lysosomal proteases, cathepsins play an important role in protein degradation. Because of their redistribution or increased levels in human and animal tumors, cathepsins may have a role in invasion and metastasis. Cathepsins are synthesized as inactive proenzymes and processed to become mature and active enzymes. Endogenous protein inhibitors, such as cystatins and some serpins, inhibit active enzymes. Cathepsin L Human Recombinant (aa 1-87) expressed in E.coli, shows a 38 kDa band on SDS-PAGE.

The Cathepsin L is purified by proprietary

chromatographic techniques.

Physical Appearance

Sterile Filtered clear solution.

Formulation

Cathepsin L at 100µg/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