

# cathepsin B (1-339): sc-4374 WB

## BACKGROUND

The cathepsin family of proteolytic enzymes contains several diverse classes of proteases. The cysteine protease class comprises cathepsins B, L, H, K, S, and O. The aspartyl protease class is composed of cathepsins D and E. Cathepsin G is in the serine protease class. Most cathepsins are lysosomal and each is involved in cellular metabolism, participating in various events such as peptide biosynthesis and protein degradation. Cathepsin B is expressed in luminal epithelial cells, indicating that cathepsin B is a marker for secretory cell death.

## REFERENCES

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## SOURCE

cathepsin B (1-339) is expressed in *E. coli* as a 65 kDa tagged fusion protein corresponding to amino acids 1-339 of full length cathepsin B of human origin.

## PRODUCT

cathepsin B (1-339) is purified from bacterial lysates (>98%) by column chromatography; supplied as 10 µg protein in 0.1 ml SDS-PAGE loading buffer.

## APPLICATIONS

cathepsin B (1-339) is suitable as a Western blotting control for sc-6490, sc-6491, sc-6493 and sc-13985.

## STORAGE

Store at -20° C; stable for one year from the date of shipment.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.