

YBC964Mu01 50 μ g**Recombinant Cathepsin B (CTSB)****Organism Species: *Mus musculus* (Mouse)*****Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]**Residues:** Val129~Asp333**Tags:** N-terminal His-Tag**Accession:** P10605**Host:** *E. coli***Subcellular Location:** Lysosome. Melanosome.

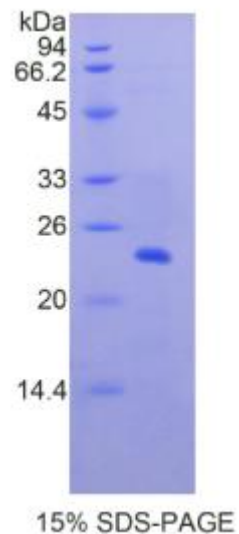
Secreted, extracellular space.

Purity: >95%**Endotoxin Level:** <1.0EU per 1 μ g

(determined by the LAL method).

Formulation: Supplied as lyophilized form in 10mM PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and preservative.**Predicted isoelectric point:** 5.8**Predicted Molecular Mass:** 23.7kDa**Applications:** SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

[USAGE]Reconstitute in sterile ddH₂O.



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[**STORAGE AND STABILITY**]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[**SEQUENCES**]

The sequence of the target protein is listed below.

VN VEVSAEDLLT CCGIQCGDGC NGGYPSGAWS FW TTKGLVSG GVYN SHV GCL
PYTIPPCEHH VNGSRPPCTG EGDTPRCNKS CEAGYSPSYK EDKHFYTSY SVSNSVKEIM
AEIYKNGPVE GAFTVFSDFL TYKSGVYKHE AGDMMGGHAI RILGWGVENG VPYWLAANSW
NLDWGDNGFF KILRGENHCG IESEIVAGIP RTD

[**REFERENCES**]

1. Qian F., *et al.* (1991) DNA Cell Biol. 10:159-168.
2. Ferrara M., *et al.* (1990) FEBS Lett. 273:195-199.
3. Chan S.J., *et al.* (1986) Proc. Natl. Acad. Sci. U.S.A. 83:7721-7725.
4. Qian F., *et al.* (1991) Anticancer Res. 11:1445-1451.