RPC968Mu01 10µg

Recombinant Cathepsin W (CTSW)

Organism Species: *Mus musculus (Mouse)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Asp22~Pro371

Tags: N-terminal His Tag

Subcellular Location: Lysosome, Extracellular matrix

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 100mMNaHCO$_3$, 500mMNaCl, pH8.3, containing 0.01% SKL, 5%

Trehalose.

Original Concentration: 200μg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

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

Predicted isoelectric point: 9.2

Predicted Molecular Mass: 43.6kDa

Accurate Molecular Mass: 44kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 100mM NaHCO$_3$, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do
not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC for 12 months.

Stability Test: The thermal stability is described by the loss rate. 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. The loss rate is less than 5% within the
expiration date under appropriate storage condition.

[SEQUENCE]

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                      DSLLTKDAG PRPLELKEVF KLFQIRFNRS
YWNPAEYTRR LSIFAHNLAQ AQRLQQEDLG TAEFGETPFS DLTEEEFGQL
YGQERSPERT PNMTKKVESN TWGESVPRTC DWRKAKNIIS SVKNQGSCKC
CWAMAAADNI QALWRIKHQQ FVDVSVQELL DCERCGNGCN GGFVWDAYLT
VLNNSGLASE KDYPFQGDRK PHRCLAKKYK KVAWIQDFTM LSNNEQAIAH
YLAVHGPITV TINMKLLQHY QKGVIKATPS SCDPRQVDHS VLLVGFGKEK
EGMQTGTVLS HSRKRRHSSP YWILKNSWGA HWGEKGYFRL YRGNNTCGVT
KYPFTAQVDS PVKKARTSCP P
```

[IDENTIFICATION]

15% SDS-PAGE
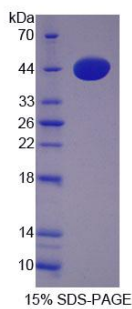
[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.