

Cathepsin B Protein, Human (HEK293, His)

Cat. No.:	HY-P7993
Synonyms:	APPS, Cathepsin B1
Species:	Human
Source:	HEK293
Accession:	P07858 (R18-I339)
Gene ID:	1508
Molecular Weight:	Approximately 40.0 kDa

PROPERTIES

AA Sequence

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R S R P S F H P L S   D E L V N Y V N K R   N T T W Q A G H N F   Y N V D M S Y L K R
L C G T F L G G P K   P P Q R V M F T E D   L K L P A S F D A R   E Q W P Q C P T I K
E I R D Q G S C G S   C W A F G A V E A I   S D R I C I H T N A   H V S V E V S A E D
L L T C C G S M C G   D G C N G G Y P A E   A W N F W T R K G L   V S G G L Y E S H V
G C R P Y S I P P C   E H H V N G S R P P   C T G E G D T P K C   S K I C E P G Y S P
T Y K Q D K H Y G Y   N S Y S V S N S E K   D I M A E I Y K N G   P V E G A F S V Y S
D F L L Y K S G V Y   Q H V T G E M M G G   H A I R I L G W G V   E N G T P Y W L V A
N S W N T D W G D N   G F F K I L R G Q D   H C G I E S E V V A   G I P R T D Q Y W E
K I
  
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Biological Activity

The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.

Appearance

Solution.

Formulation

Supplied as a 0.2 µm filter solution of PBS, pH 7.4.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

N/A

Storage & Stability

Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.

Shipping

Shipping with dry ice.

DESCRIPTION

Background

Cathepsin B is a lysosomal cysteine protease of the papain family. It functions in intracellular protein catabolism and in certain situations may also be involved in other physiological processes, such as processing of antigens in the immune

response, hormone activation and bone turnover. There is also evidence that cathepsin B is implicated in the pathology of chronic inflammatory diseases of airways and joints, and in cancer and pancreatitis^[1].

REFERENCES

[1]. John S.Mort, et al. Cathepsin B. The International Journal of Biochemistry & Cell Biology Volume 29, Issue 5, May 1997, Pages 715-720.

Caution: Product has not been fully validated for medical applications. For research use only.

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