

## Cathepsin Z/CTSZ Protein, Human (HEK293, C-His)

|                   |  |
|-------------------|--|
| Cat. No.:         | HY-P7758A  |
| Synonyms:         | rHuCathepsin X, His; Cathepsin Z; Cathepsin P; Cathepsin X; CTSZ |
| Species:          | Human  |
| Source:           | HEK293   |
| Accession:        | Q9UBR2 (G24-V303)  |
| Gene ID:          | 1522   |
| Molecular Weight: | 37-40 kDa  |

### PROPERTIES

|                                |  |
|--------------------------------|--|
| <b>AA Sequence</b>             | <p>           G L Y F R R G Q T C    Y R P L R G D G L A    P L G R S T Y P R P    H E Y L S P A D L P<br/>           K S W D W R N V D G    V N Y A S I T R N Q    H I P Q Y C G S C W    A H A S T S A M A D<br/>           R I N I K R K G A W    P S T L L S V Q N V    I D C G N A G S C E    G G N D L S V W D Y<br/>           A H Q H G I P D E T    C N N Y Q A K D Q E    C D K F N Q C G T C    N E F K E C H A I R<br/>           N Y T L W R V G D Y    G S L S G R E K M M    A E I Y A N G P I S    C G I M A T E R L A<br/>           N Y T G G I Y A E Y    Q D T T Y I N H V V    S V A G W G I S D G    T E Y W I V R N S W<br/>           G E P W G E R G W L    R I V T S T Y K D G    K G A R Y N L A I E    E H C T F G D P I V<br/>           H H H H H H         </p> |
| <b>Biological Activity</b>     | Measured by its ability to cleave the fluorogenic peptide substrate, MCA-Arg-Pro-Pro-Gly-Phe-Ser-Ala-Phe-Lys(DNP)-OH. The specific activity is 3210.6 pmol/min/μg, as measured under the described conditions.   |
| <b>Appearance</b>              | Lyophilized powder.  |
| <b>Formulation</b>             | Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.  |
| <b>Endotoxin Level</b>         | <1 EU/μg, determined by LAL method.  |
| <b>Reconstitution</b>          | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).  |
| <b>Storage &amp; Stability</b> | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.   |
| <b>Shipping</b>                | Room temperature in continental US; may vary elsewhere.  |

### DESCRIPTION

|                   |  |
|-------------------|--|
| <b>Background</b> | Cathepsin Z/CTSZ Protein demonstrates both carboxy-monopeptidase and carboxy-dipeptidase activities, as indicated in |
|-------------------|--|

---

research. It also possesses the ability to generate kinin potentiating peptides, showcasing its functional versatility.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA