

Datasheet for ABIN7596273

Cathepsin Z Protein (CTSZ) (AA 23-306) (His tag)



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Overview

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| Quantity: | 50 µg |
| Target: | Cathepsin Z (CTSZ) |
| Protein Characteristics: | AA 23-306 |
| Origin: | Mouse |
| Source: | Baculovirus infected Insect Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This Cathepsin Z protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Enzyme Activity Assay (EAA) |

Product Details

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| Sequence: | ARARLYFRSG QTCYHPIRGD QLALLGRRTY PRPHEYLSPA DLPKNWDWRN VNGVNYASVT RNQHIPPQYCG SCWAHGSTSA MADRINIKRK GAWPSILLSV QNVIDCGNAG SCEGGNDLPV WEYAHKHGIP DETCNNYQAK DQDCDFKNQC GTCTEFKECH TIQNYTLWRV GDYGSLSGRE KMMAEIYANG PISCGIMATE MMSNYTGGIY AEHQDQAVIN HIISVAGWGV SNDGIEYWIV RNSWGEPWGE KGWMRIVTST YKGGTGDSYN LAIESACTFG DPIV |
| Purity: | > 95% by SDS-PAGE |
| Endotoxin Level: | < 1 EU per 1ug of protein (determined by LAL method) |
| Biological Activity Comment: | Specific activity is > 3,000pmol/min/ug in which one unit will convert 1.0pmole of Mca-PLGL-Dpa-AR-NH2 to MCA- Pro-Leu-OH per minute at pH 3.5 at 25C |

Target Details

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| Target: | Cathepsin Z (CTSZ) |
| Alternative Name: | Cathepsin Z (CTSZ Products) |
| Background: | Cathepsin X/Z/P, also known as cathepsin Z/X, is a relatively new cysteine protease of the papain family. Compared to other members of the papain family, It has a short proregion and unique insertions. Acting as a carboxypeptidase, It displays a unique specificity. Recombinant mouse Cathepsin X/Z/P, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques |
| Molecular Weight: | 32.8 kDa (292aa) |
| NCBI Accession: | NP_071720 |
| Pathways: | Peptide Hormone Metabolism , Regulation of Systemic Arterial Blood Pressure by Hormones |

Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 0.5 mg/mL |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles. |