Datasheet for ABIN7588930

# CTSA Protein (AA 28-479) (His tag)

Go to Product page

## Overview

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| Quantity: | 100 µg |
| Target: | CTSA |
| Protein Characteristics: | AA 28-479 |
| Origin: | Cow |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CTSA protein is labelled with His tag. |
| Application: | ELISA |

## Product Details

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| Sequence: | AHD QDEIRFLPGL AKQPSFRQYS GYLKGSGSKR LHYWFVESQK DPKSSPVVLW LNGGPGCSSL DGLLTEHGPF LIQPDGVTLE YNPYSWNLIA NVLYLESPAG VGFSYSDDKS YATNDTEVAQ SNFEALKDFF CLFPEYKGNE LFLTGESYAG IYIPTLAVLV MQDPSMNLQG LAVGNGLSSY EQNDNSLVYF AYYHGLLGNR LWSSLQTHCC SQNQCNFHDN KEPECVANLQ EVSHIVASSG LNIYNLYAPC AGGVPSHVRH EKDTVVVQDL GNIFTRLPLK RVWHQTLLRS GEKVHLDPPC TNTTAASNYL NDPHVRKALH IPEQLPRWDL CNFLVNIQYR RLYQSMCSQY LKLLSAQKYR ILLYNGDVDM ACNFMGDEWF VDSLNQKMEV QRRPWLVDYG ESGEQIAGFV KEFSHIAFLT IKGAGHMVPT DKPQAALTMF SRFLNRQPY |
| Specificity: | Bos taurus (Bovine) |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time. |

## Product Details

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| Purity: | > 90 % |

## Target Details

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| Target: | CTSA |
| Alternative Name: | Lysosomal protective protein (CTSA) (CTSA Products) |
| Background: | Recommended name: Lysosomal protective protein.<br>EC= 3.4.16.5.<br>Alternative name(s): Cathepsin A Cleaved into the following 2 chains: 1.<br>Lysosomal protective protein 32 kDa chain 2.<br>Lysosomal protective protein 20 kDa chain |
| UniProt: | Q3MI05 |

## Application Details

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| Comment: | The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Concentration: | 0.2-2 mg/mL |
| Buffer: | Tris-based buffer, 50 % glycerol |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |
| Storage: | -20 °C |

## Handling

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| Storage Comment: | Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C. |

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