

Datasheet for ABIN1095534

**Cathepsin D Protein (CTSD) (AA 67-403, partial) (GST tag)**[Go to Product page](#)**1** Image**3** Publications

## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 100 µg   |
| Target:                       | Cathepsin D (CTSD)                                 |
| Protein Characteristics:      | AA 67-403, partial                                 |
| Origin:                       | Human  |
| Source:                       | Escherichia coli (E. coli)                         |
| Protein Type:                 | Recombinant  |
| Purification tag / Conjugate: | This Cathepsin D protein is labelled with GST tag. |
| Application:                  | ELISA  |

## Product Details

|                  |  |
|------------------|--|
| Sequence:        | IPEVLKNYMD AQYYGEIGI TPPQCFTVVF DTGSSNLWVP SIHCKLLDIA CWIHHKYNSD<br>KSSTYVKNGT SFDIHYGSGS LSGYLSQDTV SVPCQSASSA SALGGVKVER QVFGEATKQP<br>GITFIAAKFD GILGMAYPRI SVNNVLPVFD NLMQQKLVDQ NIFSFYLSRD PDAQPGGELM<br>LGGTDSKYYK GSLSYLVNTR KAYWQVHLDQ VEVASGLTLC KEGCEAIVDT GTSLMVGPDV<br>EVRELQKAIG AVPLIQGEYM IPCEKVSTLP AITLKLGGKG YKLSPEDYTL KVSQAGKTLC<br>LSGFMGMDIP PPSGPLWILG DVFIGRYYTV FDRDNNR |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.   |
| Purity:          | 90 %   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | Cathepsin D (CTSD)  |
| Alternative Name: | Cathepsin D protein ( <a href="#">CTSD Products</a> )   |
| Background:       | Acid protease active in intracellular protein breakdown. Involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease. |
| Molecular Weight: | 64.2 kD   |
| UniProt:          | <a href="#">P07339</a>  |
| Pathways:         | <a href="#">Peptide Hormone Metabolism</a>  |

## Application Details

|               |  |
|---------------|--|
| 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 modified 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  |

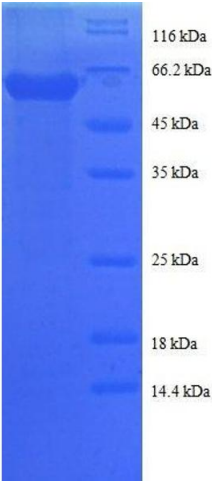
## Handling

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

Publications

Product cited in: Yakirevich, Naot: "Cloning of a glucose phosphate isomerase/neuroleukin-like sperm antigen involved in sperm agglutination." in: **Biology of reproduction**, Vol. 62, Issue 4, pp. 1016-23, ( 2000) ([PubMed](#)).

Images



**SDS-PAGE**

**Image 1.** Cathepsin D (CTSD) (AA 67-403), (partial) protein (GST tag)