

Datasheet for ABIN7596283

Cathepsin F Protein (CTSF) (AA 20-484) (His tag)[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	Cathepsin F (CTSF)
Protein Characteristics:	AA 20-484
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Cathepsin F protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	APAQPRA ASFQAWGPPS PELLAPTRFA LEMFNRRGAA GTRAVLGLVR GRVRRAGQGS LYSLEATLEE PPCNDPMVCR LPVSKKTLIC SFQVLDELGR HVLLRKDCGP VDTKVPAGE PKSAFTQGS A MISSLSQNH DNRNETFSSV ISLLNEDPLS QDLPVKMASI FKNFVITYNR TYESKEEARW RLSVFVNNMV RAQKIQLDR GTAQYGVTKF SDLTEEFRT IYLNLLRKE PGNKMKAQS VGD LAPPEWD WRSKGAVTKV KDQGMCGSCW AFSVTGNVEG QWFLNQGTLL SLSEQELLDC DKMDKACMGG LPSNAYSIAK NLGGLETEDD YSYQGHMQSC NFSAEKAKVY INDSVLSQN EQKLA AWLAK RGPISVAINA FGMQFYRHGI SRPLRPLCSP WLIDHAVLLV GYGNRSDVPF WAIKNSWGTD WGEKGYYYLH RGSGACGVNT MASSAVVD
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

Product Details

Biological Activity Comment: Specific activity is > 5 pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1pmole of Z-Phe-Arg-AMC to Z-Phe-Arg and AMC per minute at pH 5.0 at 37°C.

Target Details

Target: Cathepsin F (CTSF)

Alternative Name: Cathepsin F ([CTSF Products](#))

Background: Cathepsin F, also known as CTSF, belongs to the cathepsin family. Cathepsins are papain family cysteine proteinases that represent a major component of the lysosomal proteolytic system. This protein is thought to play a role in normal protein catabolism, and because it is highly expressed in some cancer cell lines, it may be involved in degradative processes occurring during tumor progression. The CTSF gene may function as a tumor suppressor in Gastric cancer and may be a potential therapeutic target in the treatment of Gastric cancer. It also can be used as an alternative way to test for the disease known as Opisthorchis Viverrini. Recombinant human Cathepsin F protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 52.5kDa (474aa)

NCBI Accession: [NP_003784](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 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.