

Datasheet for ABIN5853580

Cathepsin E Protein (CTSE) (AA 57-363) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Cathepsin E (CTSE)
Protein Characteristics:	AA 57-363
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cathepsin E protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSTESCSMD QSAKEPLINY LDMEYFGTIS IGSPQNFTV IFDTGSSNLW VPSVYCTSPA CKTHSRFQPS QSSTYSQPGQ SFSIQYGTGS LSGIIGADQV SVEGLTVVGQ QFGESVTEPG QTFVDAEFDG ILGLGYPSLA VGGVTPVFDN MMAQNLVDLP MFSVYMSSNP EGGAGSELIF GGYDHSFSG SLNWVPVTKQ AYWQIALDNM LWSVPTLTSC RMSPSPLTES PIPSAQLPTP YWTSWMECSS AAVAFKDLTS TLQLGPSGSW GMSSFDSFTQ SLTVGITVWD WPQQSPKEGP CVCACLSDRP
Purity:	> 85 % by SDS - PAGE

Target Details

Target:	Cathepsin E (CTSE)
Alternative Name:	CTSE (CTSE Products)

Target Details

Background: CTSE is a gastric aspartyl protease that functions as a disulfide-linked homodimer. CTSE, which is a member of the peptidase C1 family, has a specificity similar to that of pepsin A and cathepsin D. It is an intracellular proteinase that does not appear to be involved in the digestion of dietary protein and is found in highest concentration in the surface of epithelial mucus-producing cells of the stomach. It is the first aspartic proteinase expressed in the fetal stomach and is found in more than half of gastric cancers. It appears, therefore, to be an oncofetal antigen. Transcript variants utilizing alternative polyadenylation signals and two transcript variants encoding different isoforms exist for this gene. Recombinant human CTSE protein, fused to His-tag at N-terminus, was expressed in E.coli.

Molecular Weight: 35.4 kDa (330aa)

NCBI Accession: [NP_683865](#)

UniProt: [P14091](#)

Application Details

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

Comment: Denatured

Restrictions: For Research Use only

Handling

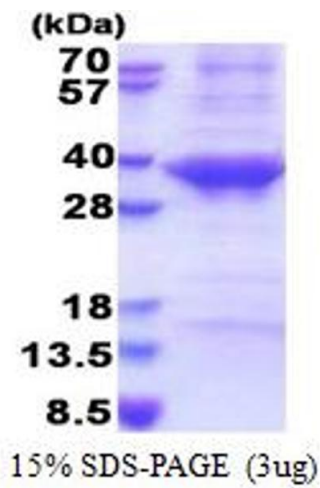
Format: Liquid

Concentration: 1 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.