

Recombinant Human CTSF, His-tagged

Cat. No. CTSF-15903H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CTSF protein, fused to His tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	271-484aa
Description	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. The CTSF gene is ubiquitously expressed, and it maps to chromosome 11q13, close to the gene encoding cathepsin W. CTSF 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	26 kDa (237aa)
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSAPPEWDW RSKGAVTKVK DQGMCGSCWA FSVTGNVEGQ WFLNQGTLLS LSEQELLCD KMDKACMGGL PSNAYSAIKN LGGLETEDDY SYQGHMQSCN FSAEKAKVYI NDSVELSQNE QKLAAWLAKR GPISVAINAF GMQFYRHGIS RPLRPLCSPW LIDHAVLLVG YGNRSDVPFW

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AIKNSWGTDW GEKGYYYLHR GSGACGVNTM ASSAVVD

Purity >90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [CTSF cathepsin F \[Homo sapiens \]](#)

Official Symbol CTSF

Synonyms CTSF; cathepsin F; CATSF; CLN13;

Gene ID [8722](#)

mRNA Refseq [NM_003793](#)

Protein Refseq [NP_003784](#)

MIM [603539](#)

UniProt ID [Q9UBX1](#)

Chromosome Location 11q13.2


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Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;
Function	cysteine-type endopeptidase activity; peptidase activity;

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