

Product Data Sheet

Product Name: CTSF Human
 Cat. No.: GP21509
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms

800x600 CATSF; CLN13; Cathepsin F; EC=3.4.22.41. Normal 0 false false false EN-US X-NONE HE MicrosoftInternetExplorer4 /* Style Definitions */
 table.MsoNormalTable{mso-style-name:"Table Normal";mso-tstyle-rowband-size:0;mso-tstyle-colband-size:0;mso-style-noshow:yes;mso-style-priority:99;mso-style-parent:"";mso-padding-alt:0cm 5.4pt 0cm 5.4pt;mso-para-margin:0cm;mso-para-margin-bottom:.0001pt;mso-pagination:widow-orphan;font-size:10.0pt;font-family:"Calibri";"sans-serif";}

Amino Acid Sequence

800x600 MGSSHHHHHH SGLVPRGSH MGSAPPEWDW RSKGAVTKVK
 DQGMCGSCWA FSVTGNVEGQ WFLNQGTLLSLSEQELLDCD KMDKACMGGL
 PSNAYSIAKN LGGLETEDDY SYQGHMQSCN FSAEKAKVYI
 NDSVELSQNEQKLAAWLAKR GPISVAINAF GMQFYRHGIS
 RPLRPLCSPWLIDHAVLLVG YGNRSDVPPFW AIKNSWGTDW GEKGYYYLHR
 GSGACGVNTM ASSAVVD. Normal 0 false false false EN-US X-NONE HE
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Formulation

800x600 The CTSF solution (1mg/ml) contains 20mM Tris-HCl buffer(pH 8.0), 0.4M Urea and 10% glycerol.

Introduction

Caution: Product has not been fully validated for medical applications. For research use only.
 Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
 Address: 10292 Central Ave. #205, Montclair, CA, USA

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Cathepsin F (CTSF) is a member of the peptidase C1 family. Cathepsins are papain family cysteine proteinases which are a main 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 plays a role in normal protein catabolism. CTSF is involved in some degradative processes occurring in tumor progression since it is highly expressed in some cancer cell lines.

Normal 0 false false false EN-US X-NONE HE /*

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Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

800x600 CTSF Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 237 amino acids (271-484) and having a molecular mass of 26kDa. CTSF is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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