# Cystatin-Like 1 (CSTL1) Human Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Cystatin-like 1 (CSTL1), Recombinant Protein |
| **Full Product Name** | Recombinant Human Cystatin-like 1 (CSTL1) |
| **Product Gene Name** | CSTL1 recombinant protein |
| **Product Synonym Gene Name** | CSTL1 |
| **Sequence** | AKLGHFQRWE GFQQKLMSKK NMNSTLNFFI QSYNNASNDT YLYRVQRLIR SQMQLTTGVE YIVTVKIGWT KCKRNDTSNS SCPLQSKKLR KSLICESLIY TMPWINYFQL WNNSCLEAEH VGRNLR |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 16,989 Da |
| **Sequence Positions** | 20-145, Full length protein |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for Q9H114 |
| **Species** | Human |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for CSTL1 recombinant protein** | The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located at the telomeric end of the cystatin locus and encodes a type 2 cystatin-like protein. The specific function of this protein has not been determined. |
| **Other Notes** | Small volumes of CSTL1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for CSTL1 purchase** | MBS1432044 is a recombinant protein targeting CSTL1. Also known as Recombinant Human Cystatin-like 1 (CSTL1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CSTL1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 19882259 |
| **NCBI GeneID** | 128817 |

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| **NCBI Accession #** | NP_612140.1 |
| **UniProt Primary Accession #** | Q9H114 |
| **UniProt Secondary Accession #** | Q17RA8; Q64FF7 |
| **UniProt Related Accession #** | Q9H114 |
| **GenBank Nucleotide #** | NM_138283.1 |
| **NCBI Official Full Name** | cystatin-like 1 |
| **NCBI Official Synonym Full Names** | cystatin like 1 |
| **NCBI Official Symbol** | CSTL1 |
| **NCBI Official Synonym Symbols** | CTES1; RCET11; dJ322G13.4 |
| **UniProt Protein Name** | Cystatin-like 1 |
| **UniProt Synonym Protein Names** | RCET11 |
| **Protein Family** | Cystatin |
| **UniProt Gene Name** | CSTL1 |
| **NCBI Protein Information** | cystatin-like 1 |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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