Recombinant human Cystatin-9 protein

Catalog Number: ATGP1256

PRODUCT INFORMATION

Expression system
E.coli

Domain
29-159aa

UniProt No.
Q5W186

NCBI Accession No.
NP_001008693

Alternative Names
Cystatin 9, CLM

PRODUCT SPECIFICATION

Molecular Weight
17.2 kDa (152aa)

Concentration
1mg/ml (determined by Bradford assay)

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

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Cystatin 9, also known as CST9, is a member of the CRES (cystatin-related epididymal spermatogenic) subfamily. The CRES (cystatin-related epididymal spermatogenic) protein defines a newsubgroup in the family 2 cystatins of the cystatin superfamily. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. CST9 is expressed in heart, placenta, lung, liver, skeletal muscle and pancreas. CST9 is thought to play a role in hematopoietic differentiation or inflammation. It has also been shown to be upregulated by LPS in some cancer cell lines, such as promyelocytic leukemia (HL-60) and

Recombinant human Cystatin-9 protein

Catalog Number: ATGP1256

myelomonocytic leukemia. Recombinant human CST9 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

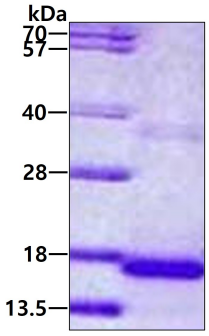
<MGSSHHHHHH SSGLVPRGSH M>WCSEEEMGG NNKIVQDPMF LATVEFALNT FNVQSKEEHA YRLLRVLSSW REDSMDRKWR GKMVFSMNLQ LRQTVCRKFE DDIDNCPFQE SLELNNVRQG ISFPQVHSCG CCMGCGVGTG AADKAIPRDK GK

General References

Sun H., et al. (2003) Biochem Biophys Res Commun. 301:176-182.
Von Horsten H H., et al. (2007) J Biol Chem. 282:32912-32923.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.