

Product information

CST9, 29-159aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1256

Full name: Cystatin 9

NCBI Accession No.: NP_001008693

Synonyms: CLM

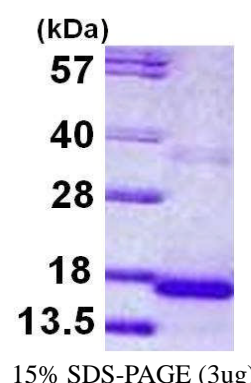
Description: Cystatin 9, also known as CST9, is a member of the CRES (cystatin-related epididymal spermatogenic) subfamily. The CRES (cystatin-related epididymal spermatogenic) protein defines a new subgroup in the family 2 cystatins of the cystatin superfamily. Some of the members are active cysteine 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 myelomonocytic leukemia. Recombinant human CST9 protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

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

Molecular Weight: 17.2 kDa (152aa)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MWCSEEMGG NNKIVQDPMF LATVEFALNT FNVQSKEEHA YRLRLVLSSW 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.

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

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.