

Product datasheet for AR52018PU-N

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Cystatin-M (29-149, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Cystatin-M (29-149, His-tag) human protein, 0.1 mg

Species: Human E. coli **Expression Host:**

Expression cDNA Clone

MGSSHHHHHH SSGLVPRGSH MRPQERMVGE LRDLSPDDPQ VQKAAQAAVA SYNMGSNSIY or AA Sequence: YFRDTHIIKA QSQLVAGIKY FLTMEMGSTD CRKTRVTGDH VDLTTCPLAA GAQQEKLRCD

FEVLVVPWQN SSQLLKHNCV QM

Tag: His-tag Predicted MW: 15.9 kDa Concentration: lot specific

Purity: >90% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 0.1M NaCl

Bioactivity: The IC50 value is < 20nM. The inhibitory function of Cystatin 6 on protease activity of papain

was measured by a fluorometric assay using Z-FR-AMC at pH 7.5 at 25C.

Preparation: Liquid purified protein

Protein Description: Recombint Human CST6 protein, fused to His-tag at N-terminus, was expressed in E.coli and

purified by using conventiol chromatography techniques.

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Storage:

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 001314

Locus ID: 1474 UniProt ID: Q15828 Cytogenetics: 11q13.1

Synonyms: ECTD15



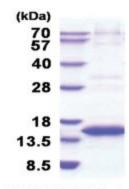


Summary:

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, where they appear to provide protective functions. This gene encodes a cystatin from the type 2 family, which is down-regulated in metastatic breast tumor cells as compared to primary tumor cells. Loss of expression is likely associated with the progression of a primary tumor to a metastatic phenotype. [provided by RefSeq, Jul 2008]

Protein Families: Secreted Protein

Product images:



15% SDS-PAGE (3ug)