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Product datasheet for AR51978PU-S

Cystatin-S (21-141, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Cystatin-S (21-141, His-tag) human protein, 50 µg
Species:	Human
Expression Host:	Insect
Expression cDNA Clone or AA Sequence:	ADPMSSSKEE NRIIPGGIYD ADLNDEWVQR ALHFAISEYN KATEDEYYRR PLQVLRAREQ TFGGVNYFFD VEVGRTICTK SQPNLDTCAF HEQPELQKKQ LCSFEIYEVP WEDRMSLVNS RCQEAHHHHH H
Tag:	His-tag
Predicted MW:	15.4 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Endotoxin:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001890
Locus ID:	1472
UniProt ID:	P01036
Cytogenetics:	20p11.21

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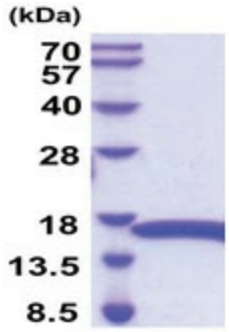
Summary: The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including 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. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and encodes a type 2 salivary cysteine peptidase inhibitor. The protein is an S-type cystatin, based on its high level of expression in saliva, tears and seminal plasma. The specific role in these fluids is unclear but antibacterial and antiviral activity is present, consistent with a protective function. [provided by RefSeq, Jul 2008]

Product images:



15% SDS-PAGE (3ug)