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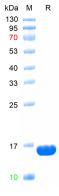
Recombinant human Cystatin-C protein (HEK293),C-His

Catalog Number:	bs-43147P
Concentration:	>1.0mg/ml
Species:	Human
AA Seq:	27-146/146
Predicted MW:	15.4 kDa
Tags:	C-His
Endotoxin:	Not analyzed
Purity:	>90% as determined by SDS-PAGE
Purification:	affinity purified by Protein A
Form:	Lyophilized or Liquid
Storage:	PBS (pH8.0). Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.
Background:	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. 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 the most abundant extracellular inhibitor of cysteine proteases, which is found in high concentrations in biological fluids and is expressed in virtually all organs of the body. A mutation in this gene has been associated with amyloid angiopathy. Expression of this protein in vascular wall smooth muscle cells is severely reduced in both atherosclerotic and aneurysmal aortic lesions, establishing its role in vascular disease. [provided by RefSeq].

VALIDATION IMAGES



The purity of the protein is greater than 90% as

determined by reducing SDS-PAGE.