

Product datasheet for **TP303115M**

Cystatin A (CSTA) (NM_005213) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cystatin A (stefin A) (CSTA), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203115 protein sequence Red =Cloning site Green =Tags(s)
	MIPGGLSEAKPATPEIQEIVDKVKPQLEEKTNETYGKLEAVQYKTQVWAGTNYYIKVRAGDNKYMHLKVF KSLPGQNEIDLVLTYGYQVDKKNKDELDTGF
	TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	10.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005204
Locus ID:	1475
UniProt ID:	P01040
RefSeq Size:	838
Cytogenetics:	3q21.1



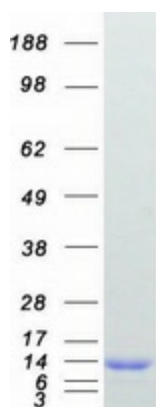
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RefSeq ORF: 294

Synonyms: AREI; PSS4; STF1; STFA

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 kininogens. This gene encodes a stefin that functions as a cysteine protease inhibitor, forming tight complexes with papain and the cathepsins B, H, and L. The protein is one of the precursor proteins of cornified cell envelope in keratinocytes and plays a role in epidermal development and maintenance. Stefins have been proposed as prognostic and diagnostic tools for cancer. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified CSTA protein (Cat# [TP303115]). The protein was produced from HEK293T cells transfected with CSTA cDNA clone (Cat# [RC203115]) using MegaTran 2.0 (Cat# [TT210002]).