

RPCB0323

## Product Information

<b>Product SKU:</b>	RPCB0323	<b>Gene ID:</b>	1509	<b>Size:</b>	10µg
<b>Tag:</b>	C-His	<b>Reactivity:</b>	Human		

## Additional Information

<b>Expression Host:</b>	HEK293 cells	<b>Swissprot:</b>	P07339
<b>Purity:</b>	> 95% by SDS-PAGE.		

## Protein Information

**Background:** Cathepsin D (CTSD), a well known lysosomal aspartyl protease and belongs to the peptidase C1 family. It is expressed in most cells and overexpressed in breast cancer cells. It is a major enzyme in protein degradation in lysosomes, and also involved in the presentation of antigenic peptides. cathepsin D is essential for proteolysis of proteins regulating cell growth and tissue homeostasis. CTSD secreted from human prostate carcinoma cells are responsible for the generation of angiostatin, a potent endogenous inhibitor of angiogenesis, suggesting its contribution to the prevention of tumor growth and angiogenesis-dependent growth of metastases.

**Protein Description:** High quality, high purity and low endotoxin recombinant Recombinant Human Cathepsin D Protein , tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.

**Endotoxin:** < 0.1 EU/µg of the protein by LAL method.

**Formulation:** Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

**Storage:** Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.