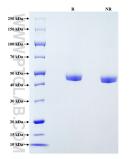
## For Research Use Only Recombinant Human Cathepsin D protein (His Tag)



## Catalog Number: Eg1053

Basic Information	<mark>Species:</mark> Human	Purity: >90 %, SDS-PAGE	<b>Tag:</b> His Tag
Basic Information Technical Specifications	Purity: >90 %, SDS-PAGE		
	Endotoxin Level: <0.1 EU/μg protein, LAL method		
	<mark>Source:</mark> HEK293-derived Human Cathepsin D protein Leu21-Leu412 (Accession# P07339) with a His tag at the C- terminus.		
	GenelD: 1509		
	Accession: P07339		
	Predicted Molecular Ma 43.4 kDa	55:	
	SDS-PAGE: 43-49 kDa, reducing (R)	conditions	
	<b>Formulation:</b> Lyophilized from 0.22 μ protectants before lyop		75% trehalose and 5% mannitol are added
<b>Biological Activity</b>	Not tested		
Storage and Shipping	Storage: It is recommended that	the protein be aliquoted for optimal storag	ge. Avoid repeated freeze-thaw cycles.
		e, -20 $^\circ\!$	constitution.
	Shipping: The product is shipped a temperature.	at ambient temperature. Upon receipt, stor	e it immediately at the recommended
Reconstitution	Briefly centrifuge the tu	be before opening. Reconstitute at 0.1-0.5	mg/mL in sterile water.
Background	a fully active mature for lysosomal acid protease	named CPSD, belongs to the peptidase A1 legradation, cell invasion, and apoptosis. He ted into an active 48-kDa single-chain inte m, composed of a 34-kDa heavy chain and a found in neutrophils and monocytes and i cancer and possibly Alzheimer disease (PM	14-KDa light chain, in the lysosomes. It is a nvolved in the pathogenesis of several
References	2. Ashraf Y, et al. (2019). 3. Chai YL, et al. (2019). B	Med Res Rev. 36(5):845-70. J Immunother Cancer. 7(1):29. rain Pathol. 29(1):63-74. 1). Pharmaceutics. 5;13(6):837.	
Synonyms	Cathepsin D, CTSD, Cathe	epsin D heavy chain, Cathepsin D light chair	, CLN10

## Selected Validation Data



Purity of Recombinant Human Cathepsin D was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.