Human CDCP1 CTF Protein

Cat. No. CDC-HM20C

Description

Source	Recombinant Human CDCP1 CTF Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus.
	It contains Lys369-Thr667.
Accession	Q9H5V8-1
Molecular Weight	The protein has a predicted MW of 59.85 kDa. Due to glycosylation, the protein migrates to 75-95 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE
	> 90% as determined by HPLC

Formulation and Storage

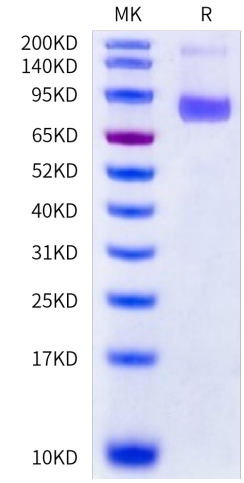
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Tumor metastasis depends on the dynamic regulation of cell adhesion through β1-integrin. The Cub-Domain Containing Protein-1, CDCP1, is a transmembrane glycoprotein which regulates cell adhesion. Overexpression and loss of CDCP1 have been observed in the same cancer types to promote metastatic progression.

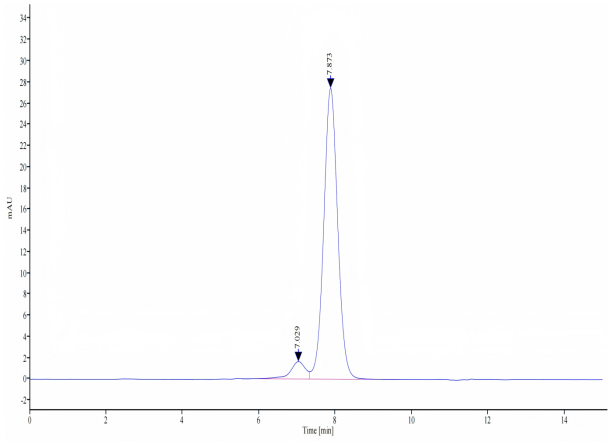
Assay Data

Bis-Tris PAGE



Human CDCP1 CTF on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

SEC-HPLC



The purity of Human CDCP1 CTF is greater than 90% as determined by SEC-HPLC.

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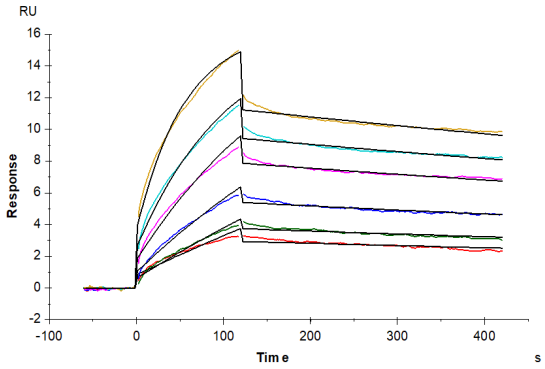
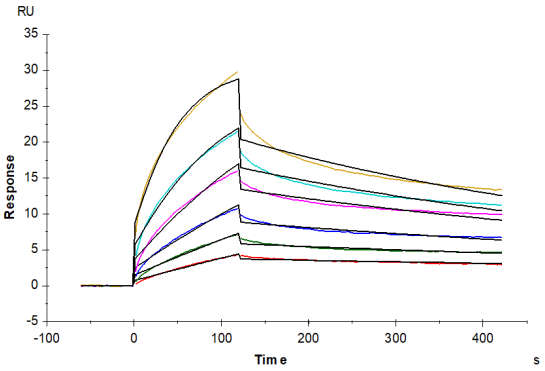
Assay Data

SPR Data



Human CDCP1 CTF, hFc Tag immobilized on CM5 Chip can bind Anti-CDCP1 CTF Antibody1 with an affinity constant of 59.11 nM as determined in SPR assay (Biacore T200).

SPR Data



Human CDCP1 CTF, hFc Tag immobilized on CM5 Chip can bind Anti-CDCP1 CTF Antibody2 with an affinity constant of 153.23 nM as determined in SPR assay (Biacore T200).