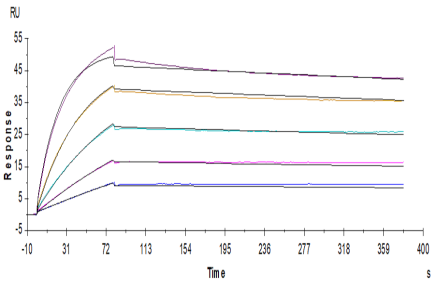
Bioactive CellTx™ HuPro®

CDCP1 (Human) Recombinant Protein

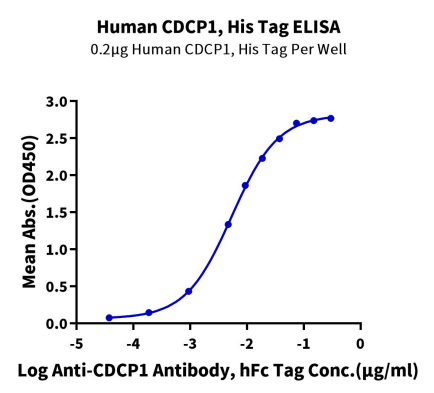
Catalog # P10286 Size 100 ug

Applications



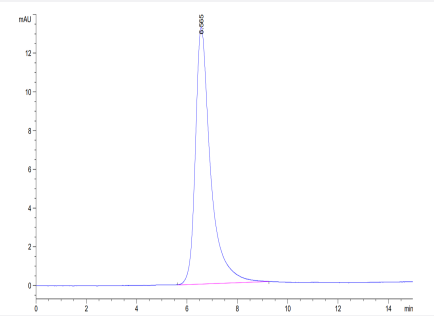
Surface Plasmon Resonance

Human CDCP1, His Tag captured on CM5 Chip via anti-His antibody can bind Anti-CDCP1 Antibody, hFc Tag with an affinity constant of 0.18 nM as determined in SPR assay (Biacore T200).



ELISA

Immobilized Human CDCP1 at 2 ug/ml (100 ul/Well). Dose response curve for Anti-CDCP1 Antibody, hFc Tag with the EC_{50} of 5.4 ng/ml determined by ELISA (QC Test).



SEC-HPLC

The purity of Human CDCP1 is greater than 95% as determined by SEC-HPLC.

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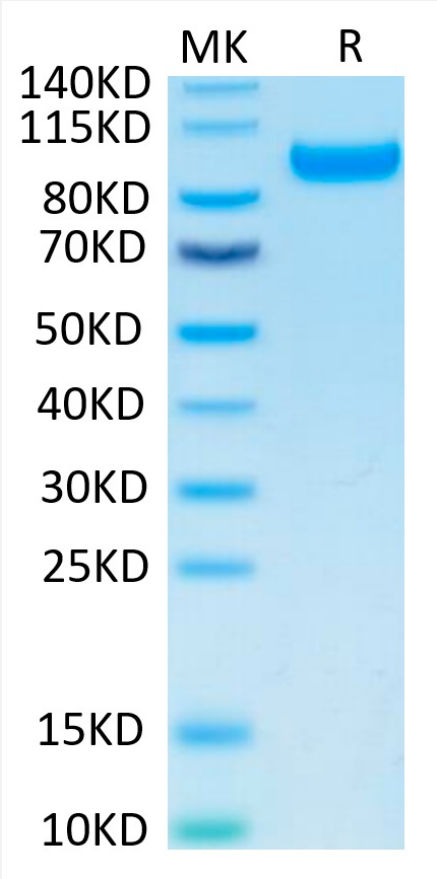

Tris-Bis PAGE

Human CDCP1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human CDCP1 (Q9H5V8-1, Phe30-Leu666) partial recombinant protein with His tag at C-terminus expressed in HEK293 cells.
Sequence	Phe30-Leu666
Host	Human
Theoretical MW (kDa)	72.8
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)

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Quality Control Testing	ELISA and SEC-HPLC ELISA Immobilized Human CDCP1 at 2 ug/ml (100 ul/Well). Dose response curve for Anti-CDCP1 Antibody , hFc Tag with the EC_{50} of 5.4 ng/ml determined by ELISA (QC Test). SEC-HPLC The purity of Human CDCP1 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human CDCP1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SEC-HPLC SPR Tris-Bis PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from filtered solution in PBS, pH 7.4 (5% trehalose).
Storage Instruction	After reconstitution with deionized water to a final concentration more than 100 ug/ml, store at 4°C for 1 week. For long term storage, store at -80°C for 1 year. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay
- Surface Plasmon Resonance

  Human CDCP1, His Tag captured on CM5 Chip via anti-His antibody can bind Anti-CDCP1 Antibody, hFc Tag with an affinity constant of 0.18 nM as determined in SPR assay (Biacore T200).

Gene Info — CDCP1

Entrez GeneID	64866
Protein Accession#	Q9H5V8-1
Gene Name	CDCP1
Gene Alias	CD318, SIMA135, TRASK
Gene Description	CUB domain containing protein 1
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is a transmembrane protein containing three extracellular CUB domains. This protein is found to be overexpressed in colon and lung cancers. Its expression level is correlated with the metastatic ability of carcinoma cells. This protein is located on the cell surfac e. It has been shown to be tyrosine phosphorylated in a cancer cell line. Alternatively spliced trans cript variants encoding distinct isoforms have been reported. [provided by RefSeq
Other Designations	CUB domain-containing protein 1|OTTHUMP00000164120|transmembrane and associated with src kinases

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