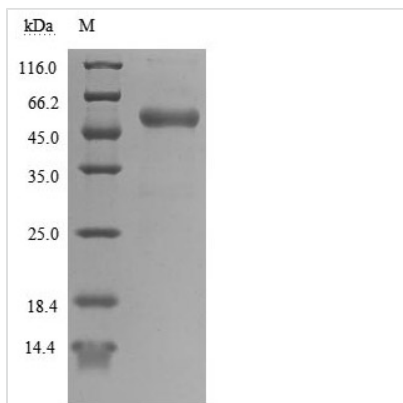


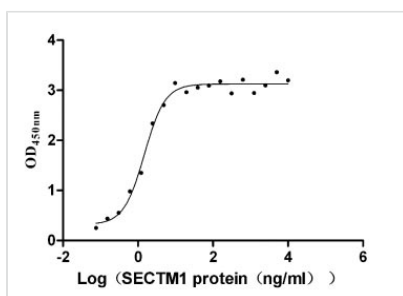


# Recombinant Human T-cell antigen CD7 (CD7), partial (Active)

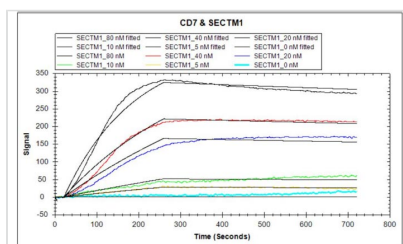
<b>Product Code</b>	CSB-MP004953HU
<b>Abbreviation</b>	Recombinant Human CD7 protein, partial (Active)
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P09564
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized CD7 at 5 µg/ml can bind SECTM1 (CSB-MP819898HU), the EC <sub>50</sub> is 1.236-1.773 ng/ml. Human CD7 protein hFc and Myc tag (CSB-MP004953HU) captured on COOH chip can bind Human SECTM1 protein hFc tag (CSB-MP819898HU) with an affinity constant of 1.84 nM as detected by LSPR Assay.
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC.
<b>Sequence</b>	AQEVQQSPHCTTVPVGASVNITCSTSGGLRGIYLRQLGPQPQDIYYEDGVVP TTDRRFRGRIDFSGSQDNLITMHLQLSDTGTTCQAITEVNVYGSGLLVLVT EEQSQGWHRCS DAPPRASALPAPPTGSALPDPQTASALPDPPAASALP
<b>Source</b>	Mammalian cell
<b>Target Names</b>	CD7
<b>Expression Region</b>	26-180aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	C-terminal hFc1-Myc-tagged
<b>Mol. Weight</b>	46.5 kDa
<b>Protein Length</b>	Partial
<b>Image</b>	



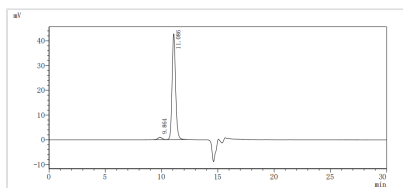
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



**Activity**  
Measured by its binding ability in a functional ELISA. Immobilized CD7 at 5 µg/ml can bind SECTM1 (CSB-MP819898HU), the EC<sub>50</sub> is 1.236-1.773 ng/ml.



**Activity**  
Human CD7 protein hFc and Myc tag (CSB-MP004953HU) captured on COOH chip can bind Human SECTM1 protein hFc tag (CSB-MP819898HU) with an affinity constant of 1.84 nM as detected by LSPR Assay.



The purity of CD7 was greater than 95% as determined by SEC-HPLC

## Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.