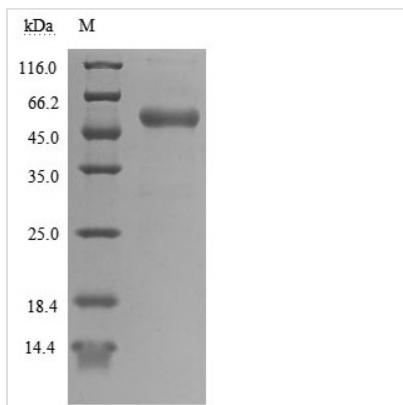


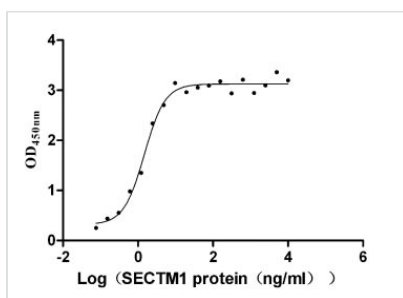


Recombinant Human T-cell antigen CD7 (CD7), partial (Active)

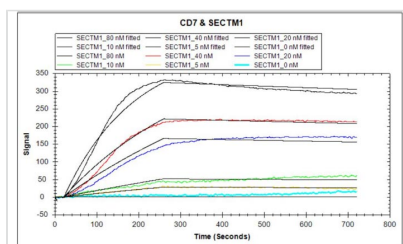
Product Code	CSB-MP004953HU
Abbreviation	Recombinant Human CD7 protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C.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



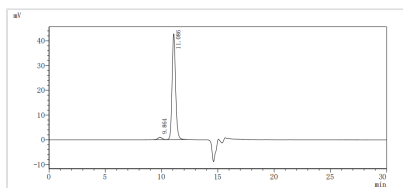
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
Measured by its binding ability in a functional ELISA. Immobilized CD7 at 5 µg/ml can bind SECTM1 (CSB-MP819898HU), the EC₅₀ 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.