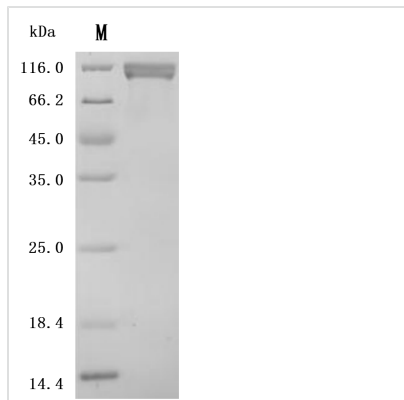


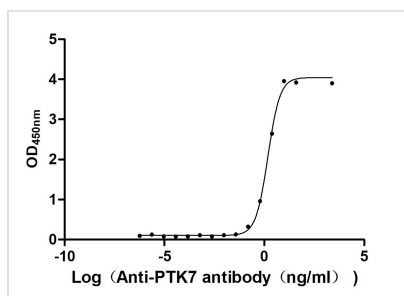


Recombinant *Macaca fascicularis* Inactive tyrosine-protein kinase 7 (PTK7), partial (Active)

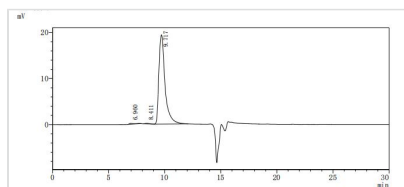
Product Code	CSB-MP5478MOV
Abbreviation	Recombinant <i>Cynomolgus</i> monkey PTK7 protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	A0A2K5VNI5
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	<i>Macaca fascicularis</i> (Crab-eating macaque) (<i>Cynomolgus</i> monkey)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized <i>Macaca fascicularis</i> PTK7 at 2 µg/mL can bind Anti-PTK7 recombinant antibody (CSB-RA622651MA1HU). The EC50 is 1.399 - 1.666 ng/mL.
Purity	Greater than 95% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC.
Sequence	AIVFIKQPSSQDALQGRRALLRCEVEAPGLVHVYWLLDGAPVQDTERRFTQGS SLSFAAVDRLQDSGTFQCVARDDVTGEEARSANASFNKWEAGPVVLKHPAS EAEIQPQTQVTLRCHIDGHRPTYQWFRDGTPLSDGQSNNTVSSKERNLTLR PAGPEHSGLYSCCAHNAFGQACSSQNFTLSIADES FARVVLAPQDVIVARNEE AMFHCQFSAQPPPNLQWLFEDETPITNRSRPPHLRRATVFANGSLLLQVVRPR NAGVYRCIGQGQRGPPVILEATLHLAEIEDMPLFEP RVFTAGSEERVTC LPPKG LPEPSVWWEHAGVRLP THGRVYQKGHELVLASIAESDAGVYTCHAANLAGQR RQDVNITVATVPTWLKKPQDSQLEEGKPGYLHCLTQATPKPTVWVYRNQMLI SEDSRFEVFKNGTLRINNVEVYDGTWYRCVSSTPAGSIEA QARVQVLEK LKFT PPPQPQQCMEFDKEATVPCSATGREKPTIKWERADGSS LPEWVTDNAGTLHF ARVTRDDAGNYTCIASNGPQQIRAHVQLTVAVFITFKVEPERTTVYQGHTALL QCEAQGDPKPLIQWKGKDRILDPTKLGPRMHIFQNGSLVIHDVAPEDSGRYTC IAGNSCNIKHTEAPLYVVDKPVPEESEGGSPPPYKMIQT
Source	Mammalian cell
Target Names	PTK7
Expression Region	39-712aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	76.1 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 *Macaca fascicularis* PTK7 at 2 µg/ml can bind Anti-PTK7 recombinant antibody (CSB-RA622651MA1HU). The EC₅₀ is 1.399 - 1.666 ng/mL.



The purity of PTK7 was greater than 95% as determined by SEC-HPLC

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.