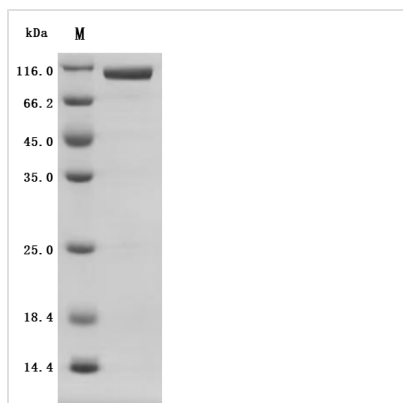


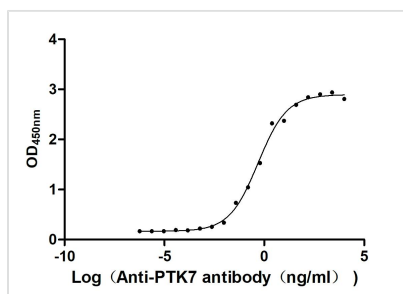


Recombinant Human Inactive tyrosine-protein kinase 7(PTK7),partial (Active)

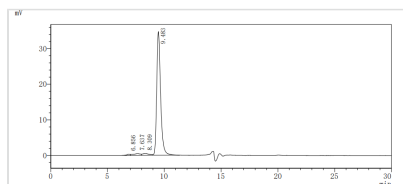
Product Code	CSB-MP622651HU2
Abbreviation	Recombinant Human PTK7 protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q13308
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 Human PTK7 at 2 μg/mL can bind Anti-PTK7 recombinant antibody (CSB-RA622651MA1HU). The EC50 is 0.3675 - 0.65842 ng/mL.
Purity	≥ 95% as determined by SDS-PAGE. ≥ 95% as determined by SEC-HPLC.
Sequence	AIVFIKQPSSQDALQGRRALLRCEVEAPGPVHVYWLLDGAPVQDTERFAQG SSLSFAAVDRLQDSGTFQCVARDDVTGEEARSANASFNKWKIEAGPVVLKHPA SEAEIQPQTQVTLRCHIDGHPRPTYQWFRDGTPLSDGQSNHTVSSKERNLTL RPAGPEHSGLYSCCAHSAFGQACSSQNFTLSIADES FARVVLAPQDVVVARY EEAMFHCQFSAQPPPSLQWLFEDETPITNRSRPPHLRRATVFANGSLLLTQVR PRNAGIYRCIGQGQRGPPPIILEATLHLAEIEDMPLFEPRVFTAGSEERTVCLPPK GLPEPSVWWEHAGVRLPTHGRVYQKGHELVLANIAESDAGVYTCHAANLAG QRRQDVNITVATVPSWLKKPQDSQLEEGKPGYLDCLTQATPKPTVVWYRNQ MLISEDSRFEVFKNGTLRINSVEVYDGTWYRCMSSTPAGSIEAQRVQVLEKL KFTPPPQPQCMEFDKEATVPCSATGREKPTIKWERADGSSLPEWVTDNAGT LHFARVTRDDAGNYTCIASNGPQGQIRAHVQLTVAVFITFKVEPERTTVYQGH TALLQCEAQGDPKPLIQWKGKDRILDPTKLGPRMHIFQNGSLVIHDVAPEDSG RYTCIAGNSCNIKHTEAPLYVVDKPVPEESEGGSPPPYKMIQT
Source	Mammalian cell
Target Names	PTK7
Expression Region	31-704aa
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	76.0 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 Human PTK7 at 2 μ g/ml can bind Anti-PTK7 recombinant antibody (CSB-RA622651MA1HU). The EC_{50} is 0.3675 - 0.65842 ng/mL.



The purity of PTK7 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.