

Inactive tyrosine-protein kinase 7(PTK7) Active Protein | PTK7 active protein

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

CATALOG #
AAA279382

HOST
Mammalian Cell

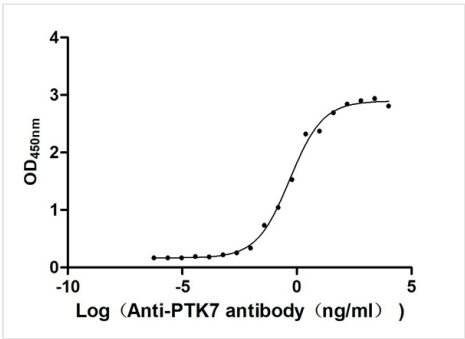
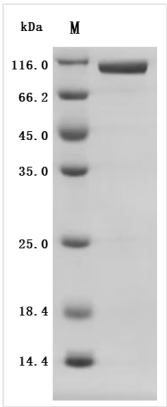
PRODUCT SYNONYMS

Inactive tyrosine-protein kinase 7(PTK7); Recombinant Human Inactive tyrosine-protein kinase 7(PTK7); partial (Active); Colon carcinoma kinase 4 (CCK-4); Protein-tyrosine kinase 7;Pseudo tyrosine kinase receptor 7; Tyrosine-protein kinase-like 7; PTK7 active protein

PRODUCT SPECIFICATIONS

Host	Mammalian Cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder; Lyophilized from a 0.2um sterile filtered PBS, 6% Trehalose, pH 7.4.
Sequence	AIVFIKQPSS QDALQGRRAL LRCEVEAPGP VHVIWLLDGA PVQDTERRFA QGSSLSFAAV DRLQDSGTFQ CVARDDVTGE EARSANASFN IKWIEAGPVV LKHPASEAEI QPQTQVTLRC HIDGHPRTY QWFRDGTPLS DGQSNHTVSS KERNLTLRPA GPEHSGLYSC CAHSAFGQAC SSQNFTLSIA DESFARVLA PQDVVVARYE EAMFHCQFSA QPPPSLQWLF EDETPTNRS RPPHLRRATV FANGSLLLTQ VRPRNAGIYR CIGQGQRGPP IILEATLHLA EIEDMPLFEP RVFTAGSEER VTCLPPKGLP EPSVWWEHAG VRLPTHGRVY QKGHELVLAN IAESDAGVYT CHAANLAGQR RQDVNITVAT VPSWLKKPQD SQLEEGKPGY LDCLTQATPK PTVVWYRNQM LISEDSTRFEV FKNGTLRINS VEYDGTWYR CMSSTPAGSI EAQARVQVLE KLKFTPPPQP QQCMEFDKEA TVPESATGRE KPTIKWERAD GSSLPEWVTD NAGTLHFARV TRDDAGNYTC IASNGPQQGI RAHVQLTVAV FITFKVEPER TTVYQGHTAL LQCEAQGDPK PLIQWKGKDR ILDPKLGPR MHIFQNGSLV IHDVAPEDSG RYTCIAGNSC NIKHTEAPLY VWDKPVPEES EGPSPPPYK MIQT
Sequence Length	31-704aa; Partial
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human PTK7 at 2ug/mL can bind Anti-PTK7 recombinant antibody . The EC50 is 0.3675 - 0.65842ng/mL.
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 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Preparation and 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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

IMAGES



Activity

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

ADDITIONAL INFORMATION

Related Product Information for PTK7 active protein	Inactive tyrosine kinase involved in Wnt signaling pathway. Component of both the non-canonical (also known as the Wnt/planar cell polarity signaling) and the canonical Wnt signaling pathway. Functions in cell adhesion, cell migration, cell polarity, proliferation, actin cytoskeleton reorganization and apoptosis. Has a role in embryogenesis, epithelial tissue organization and angiogenesis.
Product Categories/Family for PTK7 active protein	Cancer
References	Colon carcinoma kinase-4 defines a new subclass of the receptor tyrosine kinase family. Mossie K., Jallal B., Alves F., Sures I., Plowman G.D., Ullrich A.Oncogene 11:2179-2184 (1995)

NCBI AND UNIPROT INFORMATION

NCBI GI #	47938093
NCBI GeneID	5754
UniProt Accession #	Q13308; Q13417; Q5T650; Q6IQ54; Q8NFA5; Q8NFA6; Q8NFA7; Q8NFA8; A8K974; B7Z477; E9PFZ5
Molecular Weight	119,197 Da
NCBI Official Full Name	PTK7 protein tyrosine kinase 7
NCBI Official Synonym Full Names	protein tyrosine kinase 7 (inactive)
NCBI Official Symbol	PTK7
NCBI Official Synonym Symbols	CCK4; CCK-4
NCBI Protein Information	inactive tyrosine-protein kinase 7; colon carcinoma kinase 4; PTK7 protein tyrosine kinase 7; tyrosine-protein kinase-like 7; pseudo tyrosine kinase receptor 7
UniProt Protein Name	Inactive tyrosine-protein kinase 7
UniProt Gene Name	PTK7
UniProt Synonym Gene Names	CCK4; CCK-4
UniProt Entry Name	PTK7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

