PTK7 Protein, Human (P.pastoris, His)

Cat. No.:	HY-P71821
Synonyms:	CCK 4; CCK-4; Colon carcinoma kinase 4; Inactive tyrosine-protein kinase 7; Serum response factor; Srf; Tyrosine-protein kinase-like 7
Species:	Human
Source:	P. pastoris
Accession:	Q13308 (A31-T704)
Gene ID:	5754
Molecular Weight:	Approximately 76.6 kDa

PROPERTIES

AA Sequence	A I V F I K Q P S S Q D A L Q G R R A L L R C E V E A P G P V H V Y W L L D G A P V Q D T E R R F A Q G S S L S F A A V D R L Q D S G T F Q C V A R D D V T G E E A R S A N A S F N I K W I E A G P V V L K H P A S E A E I Q P Q T Q V T L R C H I D G H P R P T Y Q W F R D G T P L S D G Q S N H T V S S K E R N L T L R P A G P E H S G L Y S C C A H S A F G Q A C S S Q N F T L S I A D E S F A R V V L A P Q D V V V A R Y E E A M F H C Q F S A Q P P P S L Q W L F E D E T P I T N R S R P P H L R R A T V F A N G S L L L T Q V R P R N A G I Y R C I G Q G Q R G P P I I L E A T L H L A E I E D M P L F E P R V F T A G S E E R V T C L P P K G L P E P S V W W E H A G V R L P T H G R V Y Q K G H E L V L A N I A E S D A G V Y T C H A A N L A G Q R R Q D V N I T V A T V P S W L K K P Q D S Q L E E G K P G Y L D C L T Q A T P K P T V V W Y R N Q M L I S E D S R F E V F K N G T L R I N S V E V Y D G T W Y R C M S S T P A G S I E A Q A R V Q V L E K L K F T P P P Q P Q Q C M E F D K E A T V P C S A T G R E K P T I K W E R A D G S S L P E W V T D N A G T L H F A R V T R D D A G N Y T C I A S N G P Q G Q I R A H V Q L T V A V F I T F K V E P E R T T V Y Q G H T A L L Q C E A Q G D P K P L I Q W K G K D R I L D P T K L G P R M H I F Q N G S L V I H D V A P E D S G R Y T C I A G N S C N I K H T E A P L Y V V D K P V P E E S E G P G S P P P Y K M I Q T
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in 20 mM Tris-HC1, 0.5 M NaCl, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The PTK7 protein, an inactive tyrosine kinase, plays a significant role in the Wnt signaling pathway, being a component of both the non-canonical (Wnt/planar cell polarity signaling) and canonical Wnt signaling pathways. Its involvement spans diverse cellular processes, including cell adhesion, migration, polarity, proliferation, actin cytoskeleton reorganization, and apoptosis. PTK7 also contributes to critical developmental events, such as embryogenesis, epithelial tissue organization, and angiogenesis. Notably, it interacts with CTNNB1, underlining its participation in Wnt pathway regulation and its impact on cellular functions with broader implications in both normal and pathological contexts.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA