



Certificate of Analysis

CDK12-CCNK Heterodimer Protein, Human (Sf9, GST, FLAG)

Cat. No.:	HY-P701361
Batch No.:	423033
Species:	Human
Source:	<i>Sf9 insect cells</i>
Tag:	N-Flag;N-GST
Accession:	Q9NYV4-1 (Q696-S1082)&O75909-1 (M1-S300)
Gene ID:	51755&8812
Molecular Weight:	71.4 kDa & 36.9 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	≥96.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	The activity was measured by off-chip mobility shift assay(MSA). The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by MSA device. The Km of CDK12-CCNK for its substrate is 30 μM.	30 μM
Appearance	Solution	
Concentration	2.36 mg/mL	
Reconstitution	Please use rapid thawing with running water to thaw the protein.	
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.	
Shipping	Shipping with dry ice	

Caution: Product has not been fully validated for medical applications. For research use only.

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