CEP57 Protein, Human (His)

Cat. No.:	HY-P76818
Synonyms:	Centrosomal protein of 57 kDa; Cep57; Translokin; KIAA0092; TSP57
Species:	Human
Source:	E. coli
Accession:	Q86XR8 (S118-R226)
Gene ID:	9702
Molecular Weight:	Approximately 14 kDa

PROPERTIES

AA Sequence	S K N E E S K H N Q E L T S Q L L A A E N K C N L L E K Q L E Y M R N M I K H A E M E R T S V L E K Q V S L E R E R Q H D Q T H V Q S Q L E K L D L L E Q E Y N K L T T M Q A L A E K K M Q E L E A K L H E E E Q E R K R
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	CEP57 (Centrosomal Protein 57) is a centrosomal protein with a potential role in microtubule attachment to centrosomes, possibly by forming ring-like structures around microtubules. Its involvement extends to mediating the nuclear translocation and mitogenic activity of the internalized growth factor FGF2, distinguishing its interaction from that of FGF1. CEP57 exists as a homodimer and homooligomer, and it interacts with microtubules, as well as with FGF2 and RAP80. Notably, it does not exhibit interaction with FGF1 or the 24 kDa isoform of FGF2. These features suggest that CEP57 plays a multifaceted role in cellular processes, including microtubule dynamics and the regulation of growth factor-mediated signaling pathways. It has to outline CEP57's potential functions in microtubule attachment, interaction with growth factors, and its oligomeric nature.

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