

CKAP4 Protein, Human (282a.a, His)

Cat. No.:	HY-P700976
Synonyms:	Climp-63; p63; CLIMP-63; ERGIC-63;
Species:	Human
Source:	E. coli
Accession:	Q07065 (H128-V602)
Gene ID:	10970
Molecular Weight:	53.66 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 μ m filtered solution of PBS, 200mM NaCl, 10% glycerol, pH 7.4.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	N/A.
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.

DESCRIPTION

Background	CKAP1/TBCB Protein assumes a crucial role in cellular functions by mediating the anchoring of the endoplasmic reticulum to microtubules, contributing to the structural organization of the cell. Additionally, it functions as a high-affinity epithelial cell surface receptor for the low molecular weight sialoglycopeptide APF/antiproliferative factor, playing a pivotal role in transducing APF's antiproliferative signaling within cells. This dual functionality underscores CKAP1/TBCB's significance in both intracellular structural dynamics, through its involvement in endoplasmic reticulum anchoring, and cellular signaling processes, as an essential mediator of APF-induced antiproliferative effects at the cell surface.
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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