

CKAP4 Protein, Human, Recombinant (His)

General Information

Synonyms:	Climp-63;ERGIC-63;p63
Protein Construction:	His128-Val602
Species:	Human
Expression Host:	E. coli
Accession:	Q07065
Molecular Weight:	53.66 kDa (predicted) same as Tris-Bis PAGE result.

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by Tris-Bis PAGE; > 90% as determined by HPLC
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 μm filtered solution in PBS, 200 mM NaCl, 10% Glycerol (pH 7.4).

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Cytoskeleton-associated protein 4 (CKAP4) is located in the rough endoplasmic reticulum (ER) and plays an important role in stabilizing the structure of ER. Meanwhile, CKAP4 is also found to act as an activated receptor at the cell surface.

Reference

Li SX, et al. Cytoskeleton-Associated Protein 4, a Promising Biomarker for Tumor Diagnosis and Therapy. *Front Mol Biosci.* 2021 Feb 5;7:552056. doi: 10.3389/fmolb.2020.552056. PMID: 33614703; PMCID: PMC7892448.

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