

# Recombinant human CENPQ protein

Catalog Number: ATGP2481

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-268aa

### UniProt No.

Q7L2Z9

### NCBI Accession No.

NP\_060602

### Alternative Names

centromere protein Q, centromere protein Q, C6orf139, CENP-Q

## PRODUCT SPECIFICATION

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### Molecular Weight

33 kDa (291aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CENPQ is a subunit of a CENPH-CENPI-associated centromeric complex that targets CENPA to centromeres and is required for proper kinetochore function and mitotic progression. Recombinant human CENPQ protein, fused to His-tag at N-terminus, was expressed in E. coli.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGMSGKANA SKKNAQQLKR NPKRKKDNEE VVLSenkVRN TVKKNKNHLK  
DLSSEGQTKH TNLKHGKTA SKRKTWQPLS KSTRDHLQTM MESVIMTILS NSIKEKEEIQ YHLNFLKKRL LQQCETLKVP

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PKKMEDLTNV SLLNMERAR DKANEEGLAL LQEEIDKMVE TTELMTGNIQ SLKNKIQILA SEVEEEEERV KQMHQINSSG  
VLSLPELSQK TLKAPTLOKE ILALIPNQNA LLKDLIDLHN SSQMKSMTF IEEAYKKLDA S

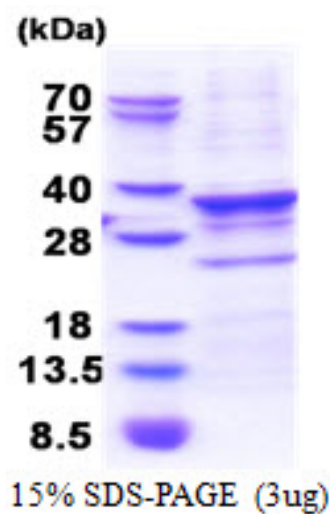
## General References

Okada M., et al (2006). Nat. Cell Biol. 8:446-457

Foltz D.R., et al (2006). Nat. Cell Biol. 8:458-469

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.