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## Product Data Sheet

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Product Name: CENPQ Human  
 Cat. No.: GP23125  
 Batch No.: 1

### Product Data

|                     |   |                    |                         |
|---------------------|---|--------------------|-------------------------|
| Purity              | >98%  | Source             | Escherichia Coli.       |
| Physical Appearance | solid   | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | Centromere protein Q; CENPQ; CENP-Q; C6orf139; Centromere Protein-Q.  |                    |                         |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSMSGKANA SKKNAQQLKR NPKRKKDNEE<br>VVLSSENKVRN TVKKNKNHLK DLSSEGQTKH TNLKHGKTA SKRKTWQPLS<br>KSTRDHLQTM MESVIMTILS NSIKEKEEIQ YHLNFKKRL LQQCETLKVP<br>PKKMEDLTNV SLLNMERAR DKANEEGLAL LQEEIDKMVE TTELMTGNIQ<br>SLKNKIQILA SEVEEEEERV KQMHQINSSG VLSLPELSQK TLKAPTLQKE<br>ILALIPNQNA LLKDL DILHN SSQMKSMTF IEEAYKKLDA S. |                    |                         |
| Formulation         | CENPQ protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.   |                    |                         |

### Introduction

CENPQ is a Component of a CENPH-CENPI-associated centromeric complex which targets CENPA to centromeres and is necessary for proper kinetochore function and mitotic progression. CENPQ takes part in incorporation of newly synthesized CENPA into centromeres using its interaction with the CENPA-NAC complex.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

CENPQ Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 291 amino acids (1-268a.a) and having a molecular mass of 33kDa. CENPQ is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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