

Recombinant Human CENPC Protein, GST-Tagged

Cat. No. CENPC-1114H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CENPC protein(NP_001349410.1)(598-943 aa), fused to GST-tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	598-943 aa
Description	Centromere protein C 1 is a centromere autoantigen and a component of the inner kinetochore plate. The protein is required for maintaining proper kinetochore size and a timely transition to anaphase. A putative pseudogene exists on chromosome 12.
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
Bio-activity	Not tested.
AA Sequence	EGSGGIVGHDEISRCSLSEPLESDEADLAKKKNLDCSRSTRSSKNEDNIMTAQNVPL KPQTSGYTCNIPTESNLDSGEHKTSVLEESGPSRLNNNYLMSGKNDVDDDEEVHGSS DDSKQSKVIPKNRIHHKLVLPSTPNVRRTRKRLKPLEYWRGERIDYQGRPSGGFV ISGVLPDTISSKRKAKENIGKVNKKSNNKRICLDNDERKTNLMMVNLGIPLGDPLQPT RVKDPETREIILMDLVRPQDTYQFFVKHGELKVYKTLDPFFSTGKLILGPQEEKGKQ HVGQDILVFYVNFQDILLCTLHETPYILSTGDSFYVPSGNYYNIKNLRNEESVLLFTQIK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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Endotoxin	Please contact the lab for more information.
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Stability	Store for up to 12 months at -20°C to -80°C as lyophilized powder.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature (see below).

GENE INFORMATION

Gene Name	CENPC centromere protein C [Homo sapiens (human)]
Official Symbol	CENPC

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Synonyms	CENP-C; CENPC; MIF2; hcp-4
Gene ID	1060
mRNA Refseq	NM_001362481.2
Protein Refseq	NP_001349410.1
MIM	117141
UniProt ID	Q03188
SDS-PAGE of CENPC-1114H	