

Recombinant Human CENPF Protein (1759-2093 aa), His-MBP-tagged

Cat. No. CENPF-2743H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CENPF Protein (1759-2093 aa) is produced by Baculovirus expression system. This protein is fused with a MBP tag at the N-terminal and a 6xHis tag at the C-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Partial.
Species	Human
Source	Insect Cells
ProteinLength	1759-2093 aa
Description	Required for kinetochore function and chromosome segregation in mitosis. Required for kinetochore localization of dynein, LIS1, NDE1 and NDEL1. Regulates recycling of the plasma membrane by acting as a link between recycling vesicles and the microtubule network through its association with STX4 and SNAP25. Acts as a potential inhibitor of pocket protein-mediated cellular processes during development by regulating the activity of RB proteins during cell division and proliferation. May play a regulatory or permissive role in the normal embryonic cardiomyocyte cell cycle and in promoting continued mitosis in transformed, abnormally dividing neonatal cardiomyocytes. Interaction with RB directs embryonic stem cells toward a cardiac lineage. Involved in the regulation of DNA synthesis and hence cell cycle progression, via its C-terminus. Has a potential role regulating skeletal myogenesis and in cell differentiation in embryogenesis. Involved in dendritic cell regulation of T-cell

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	immunity against chlamydia.
Form	Tris-based buffer,50% glycerol
Molecular Mass	82.2 kDa
AA Sequence	AIQGRNESCDISKEHTSETTERTPKHVDVHQICDKDAQQDLNLDIEKITETGAVKPTGE CSGEQSPDTNYEPPGEDKTQGSSECISELSFSGPNALVPMDFLGNQEDIHNLQLRV KETSNNENLRLLHVIEDRDRKVESLLNEMKELDSKLHLQEVQLMTKIEACIELEKIVGEL KKENS DLSEKLEYFSCDHQELLQRVETSEGLNSDLEMHADKSSREDIGDNVAKVND SWKERFLDVENELSRIRSEKASIEHEALYLEADLEVQTEKLCLEKDNENKQKVIVCL EEELSVTSERNQLRGELDTMSKTTALDQLSEKMKEKTQELESHQSE
Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	CENPF centromere protein F, 350/400kDa (mitosin) [Homo sapiens]
Official Symbol	CENPF

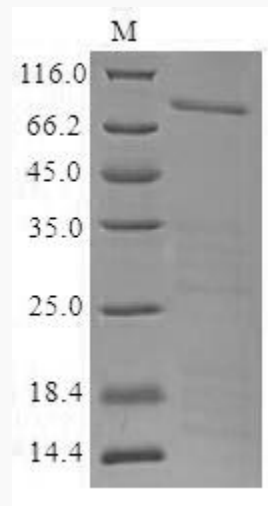
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Synonyms	CENPF; centromere protein F; hcp 1; mitotin; AH antigen; kinetochore protein CENPF; CENF; hcp-1; PRO1779;
Gene ID	1063
mRNA Refseq	NM_016343
Protein Refseq	NP_057427
MIM	600236
UniProt ID	P49454



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.