

Datasheet for ABIN7553122
CENPI Protein (AA 1-756) (His tag)



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Overview

Quantity:	1 mg
Target:	CENPI
Protein Characteristics:	AA 1-756
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CENPI protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CENPI Protein expressed in mammalian cells.
Sequence:	MSPQKRKKNV QAQNRTSQGS SSFQTTL SAW KVKQDPSNSK NISKHGQNNP VGDYEHADDQ AEEDALQMAV GYFEKGPIKA SQNKDKTLEK HLKTVENVAV KNGLASEEID ILLNIALSGK FGNAVNTRIL KCMIPATVIS EDSVVKAVSW LCVGKCSGST KVLFYRWLVA MFDFIDRKEQ INLLYGFFFA SLQDDALCPY VCHLLYLLTK KENVKPFVRV RLLDLQAKMG MQPHLQALLS LYKFFAPALI SVSLPVRKKI YFKNSEN LWK TALLAVKQRN RGPSPPEPLKL MLGPANVRPL KRKWNLSLVI PVLN SSSYTK ECGKKEMSLS DCLNRS GSFP LEQLQSFPQL LQNIHCLELP SQMGSVLNNS LLLHYINCVR DEP VLLRFYY WLSQTLQEEC IWYKVNNYEH GKEFTN FLDT IIRAECFLQE GFYSCEAFLY KSLPLWDGLC CRSQFLQLVS WIPFSS FSEV KPL LF DHLAQ LFFTSTIYFK CSVLQSLKEL LQNWLLWLSM DIHM KPVTNS PLETTLGGSM NSVSKLIHYV GWLSTTAMRL ESNNTFLLHF ILDFYEKVCD IYINYNLPLV VLFPPGIFYS ALLSLDTSIL NQLCFIMHRY RKNLTA AKKN ELVQKTKSEF NFSSKTYQEF NHYLTSMVGC LWTSKPF GKG IYIDPEILEK TGVAEYKNSL NVVH HPSFLS YAVSFLLQES PEERTVNVSS IRGKKWSWYL

Product Details

DYLFSQLQG LKLFIRSSVH HSSIPRAEGI NCNNQY **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: CENPI

Alternative Name: CENPI ([CENPI Products](#))

Background: Centromere protein I (CENP-I) (FSH primary response protein 1) (Follicle-stimulating hormone primary response protein) (Interphase centromere complex protein 19) (Leucine-rich primary response protein 1),FUNCTION: Component of the CENPA-CAD (nucleosome distal) complex, a complex recruited to centromeres which is involved in assembly of kinetochore proteins, mitotic progression and chromosome segregation. May be involved in incorporation of newly synthesized CENPA into centromeres via its interaction with the CENPA-NAC complex. Required for the localization of CENPF, MAD1L1 and MAD2 (MAD2L1 or MAD2L2) to

Target Details

kinetochores. Involved in the response of gonadal tissues to follicle-stimulating hormone.
{ECO:0000269|PubMed:12640463, ECO:0000269|PubMed:16622420}.

Molecular Weight: 86.7 kDa

UniProt: [Q92674](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months