

Recombinant Human Centromere protein K(CENPK)

Catalog No: #AP77013

Package Size: #AP77013-1 20ug #AP77013-2 100ug #AP77013-3 1mg

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Description

Product Name	Recombinant Human Centromere protein K(CENPK)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-269aaSequence Info:Full Length
Other Names	Interphase centromere complex protein 37 Protein AF-5alpha p33
Accession No.	Q9BS16
Uniprot	Q9BS16
GeneID	64105;
Calculated MW	58.7 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MNQEDLDPDSTTDVGDVNTNTEEELIRECEEMWKDMEECQNKLSLIGTETLTDSNAQLSLLIMQVKCLTAELSQ WQKKTPEIPLTEDVLITLGKEEFQKLRQDLEMVLSTKESKNEKLEKDLEREQRWLDEQQQIMESLNLVHSELK NKVETFSESRIFNELKTKMLNIKEYKEKLLSTLGEFLEDHFPLPDRSVKKKKKNIQESSVNLITLHEMLEILINRLF DVPHDPYVKISDSFWPPYVELLLRNGIALRHPEDPTRIRLEAFHQ
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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. Acts in coordination with CASC5,KNL1 to recruit the NDC80 complex to the outer kinetochore.

References

"Fusion of the MLL gene with two different genes, AF-6 and AF-5alpha, by a complex translocation involving chromosomes 5, 6, 8 and 11 in infant leukemia."

Taki T., Hayashi Y., Taniwaki M., Seto M., Ueda R., Hanada R., Suzukawa K., Yokota J., Morishita K.

Oncogene 13:2121-2130(1996)Research Topic:Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only