

Recombinant Human CKAP5 Protein, His-tagged

Cat. No. CKAP5-791H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CKAP5 Protein (Met1-Ala198) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ala198
Description	This gene encodes a cytoskeleton-associated protein which belongs to the TOG/XMAP215 family. The N-terminal half of this protein contains a microtubule-binding domain and the C-terminal half contains a KXGS motif for binding tubulin dimers. This protein has two distinct roles in spindle formation; it protects kinetochore microtubules from depolymerization and plays an essential role in centrosomal microtubule assembly. This protein may be necessary for the proper interaction of microtubules with the cell cortex for directional cell movement. It also plays a role in translation of the myelin basic protein (MBP) mRNA by interacting with heterogeneous nuclear ribonucleoprotein (hnRNP) A2, which associates with MBP. Alternatively spliced transcript variants encoding different isoforms have been identified.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.1 kDa; Accurate Molecular Mass: 26 kDa

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	CKAP5 cytoskeleton associated protein 5 [Homo sapiens (human)]
Official Symbol	CKAP5
Synonyms	CKAP5; cytoskeleton associated protein 5; cytoskeleton-associated protein 5; ch TOG; KIAA0097; TOG; TOGp; colonic and hepatic tumor overexpressed gene protein; colonic and hepatic tumor over-expressed gene protein; MSPS; CHTOG; ch-TOG; FLJ35359;
Gene ID	9793
mRNA Refseq	NM_001008938

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Protein Refseq	NP_001008938
MIM	611142
UniProt ID	Q14008

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