Recombinant CKP2L protein (His tag)

Catalog Number	547697
Synonyms	Radial fiber and mitotic spindle protein; Radmis
Species	Human
Expression System	E. coli
Accession	Q8IYA6
Molecular Weight	Predictes a molecular mass of 17.98 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	461-602
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 461-602 aa (Q8IYA6) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 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.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human CKAP2L Protein Fragment (461-602) - A high-quality recombinant protein representing a stable and soluble domain of Cytoskeleton-associated protein 2-like (Radmis), essential for structural and biochemical studies of mitotic spindle regulation in neural progenitor cells. Cytoskeleton-associated protein 2-like (CKAP2L), also known as Radial fiber and mitotic spindle protein (Radmis), is a microtubule-associated protein crucial for mitotic spindle formation and cell-cycle progression in neural progenitor cells. The full-length protein localizes to the cytoplasm, specifically associating with the cytoskeleton and spindle poles during mitosis, where it uniformly distributes along microtubule bundles and centrioles. Its expression dynamically diminishes during interphase, highlighting its specific role in cell division processes. This protein plays a fundamental role in maintaining proper mitotic spindle architecture, making it an important target for studying cell division mechanisms and neural development.