Recombinant CS2IP protein (His tag)

Catalog Number	551300
Synonyms	Casein kinase 2 alpha prime interacting protein
Species	Human
Expression System	E. coli
Accession	A0A1B0GTH6
Molecular Weight	Predictes a molecular mass of 13.17 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	420-524
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 420-524 aa (A0A1B0GTH6) 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	Introducing a high-quality recombinant protein fragment of Human Casein Kinase II Subunit Alpha'-Interacting Protein (CSNK2A2IP), spanning residues 420-524. This 105-amino acid fragment has been computationally selected for optimal stability and solubility, making it an ideal reagent for structural studies, biochemical assays, and functional investigations into chromatin regulation in male germ cells. The full-length Casein Kinase II Subunit Alpha'-Interacting Protein, encoded by the gene CSNK2A2IP, is implicated in chromatin regulation within male germ cells. According to UniProt annotation, it localizes to the nucleus and is specifically present in the nuclei of spermatids during the critical phase of chromatin condensation. This suggests a specialized role in the epigenetic and structural reorganization of chromatin during spermatogenesis, a process essential for male fertility. The provided fragment offers a focused tool to dissect the molecular mechanisms underlying this protein's function.