Recombinant CCYL2 protein (His tag)

Catalog Number	551970
Species	Human
Expression System	E. coli
Accession	Q5T2Q4
Molecular Weight	Predictes a molecular mass of 34.49 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 35 kDa band.

Product Information

Sequence Region	81-361
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 81-361 aa (Q5T2Q4) 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 Cyclin-Y-like protein 2 (CCNYL2) fragment (aa 81-361) is a high-purity, functional protein designed for targeted research. This fragment specifically encompasses the critical Cyclin N-terminal domain (aa 204-286), providing researchers with an ideal tool for investigating the structure, interactions, and specific biological functions of this key regulatory domain. Cyclin-Y-like protein 2 (CCNYL2), encoded by the gene CCNYL2 in Homo sapiens, is a member of the cyclin protein family. Cyclins are key regulators of the cell cycle, typically functioning by activating cyclin-dependent kinases (CDKs). While specific functional and subcellular localization data for the full-length CCNYL2 protein is not fully characterized in the provided information, cyclin family members are generally involved in controlling cell cycle progression and transcriptional regulation. This recombinant fragment allows focused study on the properties and activities of its conserved Cyclin N-terminal domain, facilitating research into its potential role in cell cycle mechanisms and associated pathways.