Recombinant CAND2 protein (His tag)

Catalog Number	541853
Synonyms	Cullin-associated and neddylation-dissociated protein 2; Epididymis tissue protein Li 169; TBP-interacting protein of 120 kDa B; TBP-interacting protein 120B; p120 CAND2
Species	Human
Expression System	E. coli
Accession	O75155
Molecular Weight	Predictes a molecular mass of 36.03 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 37 kDa band.

Product Information

Sequence Region	2-315
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 2-315 aa (O75155) 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 CAND2 protein fragment (amino acids 2-315) from Homo sapiens, designed for structural and biochemical studies. This fragment represents a stable, soluble unit of Cullin-associated NEDD8-dissociated protein 2, a key regulator of SCF E3 ubiquitin ligase complex assembly and function. Cullin-associated NEDD8-dissociated protein 2 (CAND2) is a probable assembly factor of SCF (SKP1-CUL1-F-box protein) E3 ubiquitin ligase complexes. It plays a critical role in promoting the exchange of substrate-recognition F-box subunits within SCF complexes, thereby regulating the cellular repertoire of these important ubiquitin ligase complexes. The protein is localized to the nucleus, where it contributes to the dynamic regulation of protein degradation pathways essential for cellular homeostasis.