Recombinant DC4L2 protein (His tag)

Catalog Number	551418
Synonyms	WD repeat-containing protein 21C
Species	Human
Expression System	E. coli
Accession	Q8NA75
Molecular Weight	Predictes a molecular mass of 45.41 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 45 kDa band.

Product Information

Sequence Region	1-395
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 1-395 aa (Q8NA75) 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 our high-quality recombinant protein: DDB1- and CUL4-associated factor 4-like protein 2 (WD repeat-containing protein 21C), encoded by the DCAF4L2 gene. This product features a stable, soluble fragment spanning residues 1-395 (395 amino acids), which has been computationally optimized for structural integrity and biochemical functionality. Ideal for researchers investigating protein-protein interactions, structural biology, and molecular mechanisms in human cellular systems. DDB1- and CUL4-associated factor 4-like protein 2 (DCAF4L2) is a human protein that functions as a substrate recognition component within the CUL4-DDB1 E3 ubiquitin ligase complex. As a WD repeat-containing protein, it plays a critical role in mediating protein-protein interactions and substrate specificity for ubiquitination, a key regulatory process in cellular signaling, protein degradation, and homeostasis. The provided fragment (1-395) encompasses the full predicted functional domain of the protein and was selected based on computational modeling to ensure stability and solubility, making it an excellent tool for in vitro studies of its biochemical properties and interaction networks.