Recombinant DC121 protein (His tag)

Catalog Number	551977
Synonyms	WD repeat-containing protein 40B
Species	Human
Expression System	E. coli
Accession	Q5VU92
Molecular Weight	Predictes a molecular mass of 44.39 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 44 kDa band.

Product Information

Sequence Region	79-463
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 79-463 aa (Q5VU92) 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	This product is a high-quality recombinant protein fragment of human DDB1- and CUL4-associated factor 12-like protein 1 (also known as WD repeat-containing protein 40B, encoded by the DCAF12L1 gene). The fragment, comprising residues 79-463, has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies and in vitro biochemical assays. The full-length DCAF12L1 protein is a putative substrate receptor for the CUL4-DDB1 E3 ubiquitin ligase complex. As a member of the DCAF family, it is implicated in the recognition and recruitment of specific protein substrates for ubiquitination, a critical post-translational modification regulating processes such as protein degradation, signaling, and cell cycle progression. Its precise biological function and subcellular localization within human cells are areas of active research. This recombinant fragment provides a focused tool to investigate the protein's core architecture and molecular interactions.