Recombinant WDCP protein (His tag)

Catalog Number	545950
Species	Human
Expression System	E. coli
Accession	Q9H6R7
Molecular Weight	Predictes a molecular mass of 26.26 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	1-226
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-226 aa (Q9H6R7) 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 WDCP (WD repeat and coiled-coil-containing protein) fragment (amino acids 1-226) is a high-quality, stable protein product designed for structural and biochemical studies. This fragment was computationally selected to ensure solubility and stability, making it an ideal tool for researchers investigating protein function and interactions. The full-length WDCP protein, encoded by the WDCP gene in Homo sapiens, is characterized by WD repeats and coiled-coil domains, which are typically involved in protein-protein interactions and complex assembly. While specific functional details and subcellular localization are not fully characterized in the provided data, proteins with these domains often play roles in cellular processes such as signal transduction, cell cycle regulation, and scaffolding. This recombinant fragment provides a focused approach to study key structural elements of WDCP, supporting research into its molecular mechanisms and potential biological significance.