Recombinant KLDC4 protein (His tag)

Catalog Number	549308
Species	Human
Expression System	E. coli
Accession	Q8TBB5
Molecular Weight	Predictes a molecular mass of 41.27 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 41 kDa band.

Product Information

Sequence Region	1-349
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 1-349 aa (Q8TBB5) 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 recombinant fragment of the Kelch domain-containing protein 4 (KLHDC4) from Homo sapiens, encompassing amino acids 1-349. This fragment was computationally selected to ensure stability and solubility, making it an ideal tool for structural studies, biochemical assays, and functional investigations in life science research. The full-length Kelch domain-containing protein 4, encoded by the KLHDC4 gene, is a human protein whose specific function and subcellular localization are not detailed in the provided data. However, proteins containing Kelch domains are generally involved in protein-protein interactions, ubiquitination pathways, and cellular regulation processes. This recombinant fragment offers a focused approach to explore the structural and mechanistic properties of KLHDC4, facilitating research into its potential roles in cellular functions and disease contexts.