Recombinant DCAKD protein (His tag)

Catalog Number	551236
Species	Human
Expression System	E. coli
Accession	Q8WVC6
Molecular Weight	Predictes a molecular mass of 28.21 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band.

Product Information

Sequence Region	1-231
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 1-231 aa (Q8WVC6) 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-purity recombinant protein fragment of the human Dephospho-CoA kinase domain-containing protein (DCAKD). The fragment, encompassing residues 1-231, is specifically designed to contain the complete DPCK functional domain, making it an essential tool for researchers investigating the structure and catalytic activity of this key metabolic enzyme. The full-length Dephospho-CoA kinase domain-containing protein (DCAKD), encoded by the DCAKD gene, is a human protein. While specific functional and subcellular localization details are still under investigation, the presence of the conserved DPCK (Dephospho-CoA kinase) domain suggests a critical role in coenzyme A (CoA) biosynthesis. CoA is a fundamental cofactor involved in numerous metabolic pathways, including fatty acid metabolism and the citric acid cycle. This recombinant fragment provides a focused resource for studying the isolated kinase activity and domain-specific interactions of DCAKD.