Recombinant DCD2B protein (His tag)

Catalog Number	549138
Species	Human
Expression System	E. coli
Accession	A2VCK2
Molecular Weight	Predictes a molecular mass of 10.94 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	129-212
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 129-212 aa (A2VCK2) 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 Doublecortin domain-containing protein 2B (DCDC2B) fragment (residues 129-212), encompassing the complete Doublecortin 2 domain. This high-purity protein is an essential tool for investigating the structural and functional roles of this domain in cellular processes. Doublecortin domain-containing protein 2B (DCDC2B) is a human protein encoded by the DCDC2B gene. While specific functional and subcellular localization details are not fully characterized, proteins containing doublecortin domains are typically involved in microtubule binding and regulation, playing critical roles in neuronal development, cell migration, and ciliary function. The provided fragment (129-212) isolates the Doublecortin 2 domain, enabling focused studies on its interactions and mechanisms without interference from other protein regions.