Recombinant DCD2C protein (His tag)

Catalog Number	550319
Species	Human
Expression System	E. coli
Accession	A8MYV0
Molecular Weight	Predictes a molecular mass of 28.58 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band.

Product Information

Sequence Region	1-236
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 1-236 aa (A8MYV0) 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 2C (DCDC2C) fragment (amino acids 1-236) is a high-purity protein designed for investigating the functional roles of its Doublecortin domains. This fragment provides an essential tool for studying cytoskeletal regulation, ciliary function, and cellular dynamics in research applications. Doublecortin domain-containing protein 2C (DCDC2C) is a human protein localized to cell projections, including cilia and flagella, as well as the cytoplasm, with specific detection along sperm flagella and germ cell cytoplasm. This localization suggests its involvement in structural and functional aspects of motile and sensory cellular appendages. The full-length protein's presence in these specialized structures indicates potential roles in ciliary assembly, motility, or signaling pathways, making it relevant for studies of cell motility, developmental biology, and reproductive health. The recombinant fragment encompasses the complete Doublecortin 1 and Doublecortin 2 domains, enabling focused research on their contributions to microtubule binding and cellular organization.