Recombinant DACT3 protein (His tag)

Catalog Number	547913
Synonyms	Antagonist of beta-catenin Dapper homolog 3; Arginine-rich region 1 protein; Dapper antagonist of catenin 3
Species	Human
Expression System	E. coli
Accession	Q96B18
Molecular Weight	Predictes a molecular mass of 12.81 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band.

Product Information

Sequence Region	1-101
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 1-101 aa (Q96B18) 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	Introducing the recombinant Dapper homolog 3 (DACT3) fragment (amino acids 1-101), a meticulously engineered protein product derived from human origin. This fragment is designed to support research into Wnt signaling pathways, offering a stable and soluble unit ideal for structural and biochemical studies. Dapper homolog 3, encoded by the DACT3 gene in Homo sapiens, is implicated in the regulation of intracellular signaling pathways during development. It specifically contributes to canonical and/or non-canonical Wnt signaling through interactions with DSH (Dishevelled) family proteins, playing a critical role in developmental processes. The subcellular localization of the full-length protein is not specified in the provided data.