Recombinant CRCC2 protein (His tag)

Catalog Number	551348
Species	Human
Expression System	E. coli
Accession	H7BZ55
Molecular Weight	Predictes a molecular mass of 34.96 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 39 kDa band.

Product Information

Sequence Region	1365-1653
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 1365-1653 aa (H7BZ55) 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-quality recombinant protein fragment of human Ciliary rootlet coiled-coil protein 2 (CROCC2), encompassing residues 1365-1653. This 289-amino acid fragment was computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, biochemical characterization, and functional assays. Ciliary rootlet coiled-coil protein 2 (CROCC2) is a human protein encoded by the gene CROCC2 (UniProt ID: H7BZ55). While a detailed functional summary and subcellular localization for the full-length protein are not provided here, proteins in this family are typically involved in the organization and structural integrity of cellular components, particularly associated with the base of cilia or flagella. The provided fragment represents a stable, soluble unit selected through structural prediction, facilitating experimental investigation into the protein's properties and interactions.