Recombinant COR2A protein (His tag)

Catalog Number	549320
Synonyms	IR10; WD repeat-containing protein 2
Species	Human
Expression System	E. coli
Accession	Q92828
Molecular Weight	Predictes a molecular mass of 46.73 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 47 kDa band.

Product Information

Sequence Region	1-401
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 1-401 aa (Q92828) 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 Coronin-2A (CORO2A) Fragment (1-401) - A highly stable and soluble protein fragment ideal for structural biology and biochemical studies. This 401-amino acid fragment of Coronin-2A, also known as WD repeat-containing protein 2, represents a computationally optimized domain that maintains excellent solution properties while preserving key structural features for research applications. Coronin-2A (CORO2A) is a member of the coronin protein family, which plays crucial roles in actin cytoskeleton regulation and cellular processes dependent on actin dynamics. As a WD repeat-containing protein, Coronin-2A typically functions in protein-protein interactions and signal transduction pathways. The full-length protein is involved in various cellular functions including cell migration, vesicle trafficking, and immune cell function, though specific functional details and subcellular localization for this isoform require further characterization. This recombinant fragment provides researchers with a valuable tool to investigate the structural basis of Coronin-2A function and its interactions with binding partners.