Recombinant BIN3 protein (His tag)

Catalog Number	539042
Species	Human
Expression System	E. coli
Accession	Q9NQY0
Molecular Weight	Predictes a molecular mass of 31.32 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 35 kDa band.

Product Information

Sequence Region	1-253
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-253 aa (Q9NQY0) 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 Bridging Integrator 3 (BIN3) Fragment (aa 1-253) is a high-purity protein designed for studying cytokinesis and septation mechanisms. This fragment fully encompasses the BAR domain, making it an ideal tool for investigating F-actin localization and cytoskeletal dynamics in cellular processes. Bridging Integrator 3 (BIN3), encoded by the BIN3 gene in Homo sapiens, plays a crucial role in cytokinesis and septation by contributing to the proper localization of F-actin. This protein is primarily located in the cytoplasm and associates with the cytoskeleton, where it participates in essential cellular division and structural organization processes. The provided fragment enables focused research on the functional domains responsible for these biological activities.