Recombinant RUN3B protein (His tag)

Catalog Number	549617
Synonyms	Rap2-binding protein 9; Rap2-interacting protein 9; RPIP-9
Species	Human
Expression System	E. coli
Accession	Q96NL0
Molecular Weight	Predictes a molecular mass of 26.35 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	1-222
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 1-222 aa (Q96NL0) 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 RUN Domain-containing Protein 3B (RUNDC3B) Fragment (aa 1-222) is a high-purity protein designed for functional studies. This fragment fully encompasses the RUN domain, making it an ideal tool for investigating domain-specific interactions and signaling pathways involving Rap2-binding and related cellular processes. RUN Domain-containing Protein 3B, also known as Rap2-binding protein 9 or Rap2-interacting protein 9 (RPIP-9), is encoded by the RUNDC3B gene in Homo sapiens. While specific functional and subcellular localization details are not fully characterized, proteins containing RUN domains are typically involved in intracellular signaling, vesicle trafficking, and small GTPase regulation. The RUN domain in this protein suggests potential roles in membrane association and interaction with GTPases like Rap2, which are critical for processes such as cell adhesion, cytoskeletal organization, and neuronal development.