Recombinant RUSC2 protein (His tag)

Catalog Number	540733
Synonyms	Interacting protein of Rab1; Iporin; RUN and SH3 domain-containing protein 2
Species	Human
Expression System	E. coli
Accession	Q8N2Y8
Molecular Weight	Predictes a molecular mass of 26.18 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	986-1204
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 986-1204 aa (Q8N2Y8) 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 RUSC2 Fragment (986-1204): A high-purity protein fragment encompassing the RUN domain of AP-4 complex accessory subunit RUSC2 (Iporin), designed for studying vesicular trafficking mechanisms and domain-specific interactions in cellular transport processes. RUSC2 (RUN and SH3 domain-containing protein 2) associates with the adapter-like complex 4 (AP-4) and plays a crucial role in vesicular trafficking at the trans-Golgi network. The full-length protein localizes to the cytoplasm, cytosol, and cell membrane, exhibiting a cytosolic punctate distribution with perinuclear accumulation. It has been shown to colocalize with RAB35 at membrane protrusions, indicating its involvement in membrane dynamics and protein transport pathways. This recombinant fragment provides a targeted tool for investigating the specific functions of the RUN domain within these complex cellular processes.