Recombinant RPGFL protein (His tag)

Catalog Number	548863
Synonyms	Link guanine nucleotide exchange factor II; Link GEFII
Species	Human
Expression System	E. coli
Accession	Q9UHV5
Molecular Weight	Predictes a molecular mass of 42.65 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 44 kDa band.

Product Information

Sequence Region	305-662
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 305-662 aa (Q9UHV5) 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	Introducing the recombinant human RAPGEFL1 protein fragment (residues 305-662), a high-purity tool designed for studying the Ras-GEF domain. This fragment enables targeted investigation of guanine nucleotide exchange mechanisms, making it ideal for functional assays and signaling pathway research. Rap guanine nucleotide exchange factor-like 1 (RAPGEFL1), also known as Link GEFII, is a probable guanine nucleotide exchange factor (GEF) that plays a crucial role in regulating small GTPase signaling pathways. As a GEF, it facilitates the exchange of GDP for GTP on target GTPases, thereby activating downstream signaling cascades involved in cellular processes such as vesicle trafficking, cell adhesion, and proliferation. The provided fragment specifically encompasses the Ras-GEF domain (residues 424-660), allowing researchers to isolate and characterize the core catalytic activity of this important regulatory protein.