Recombinant RGPD5 protein (His tag)

Catalog Number	549625
Synonyms	Ran-binding protein 2-like 1/2; RanBP2-like 1/2; RanBP2L1; RanBP2L2; Sperm membrane protein BS-63
Species	Human
Expression System	E. coli
Accession	Q99666
Molecular Weight	Predictes a molecular mass of 14.27 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band.

Product Information

Sequence Region	1655-1765
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 1655-1765 aa (Q99666) 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 RANBP2-like and GRIP domain-containing protein 5/6 fragment (amino acids 1655-1765) is a high-purity protein designed for investigating the specific functions of the GRIP domain. This product serves as an essential tool for researchers studying domain-specific interactions and mechanisms in cellular processes. The full-length RANBP2-like and GRIP domain-containing protein 5/6, encoded by genes RGPD5 and RGPD6, is a human protein localized to the cytoplasm, as supported by experimental evidence. While a detailed functional summary is not provided, its cytoplasmic presence suggests potential roles in intracellular signaling, transport, or regulatory pathways. The GRIP domain within this fragment is critical for mediating specific protein-protein interactions, making this recombinant product valuable for targeted studies on domain functionality and molecular mechanisms in relevant biological contexts.