Recombinant RGPD1 protein (His tag)

Catalog Number	550340
Synonyms	Ran-binding protein 2-like 6; RanBP2-like 6; RanBP2L6
Species	Human
Expression System	E. coli
Accession	P0DJD0
Molecular Weight	Predictes a molecular mass of 13.81 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	1640-1748
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 1640-1748 aa (P0DJD0) 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 RGPD1 (RanBP2L6) GRIP Domain Fragment (aa 1640-1748) - A high-purity protein fragment specifically designed for studying the GRIP domain functionality of the RANBP2-like and GRIP domain-containing protein 1, providing researchers with a targeted tool for domain-specific investigations. RGPD1 (RANBP2-like and GRIP domain-containing protein 1), also known as RanBP2-like 6, is a human protein that contains GRIP domains, which are known to mediate protein-protein interactions and play roles in intracellular trafficking and signaling pathways. While specific functional details and subcellular localization for the full-length protein are not fully characterized in the provided data, the presence of the GRIP domain suggests potential involvement in vesicular transport and protein targeting mechanisms. This recombinant fragment spanning amino acids 1640-1748 fully encompasses the functional GRIP domain (aa 1685-1735), enabling focused research on this critical protein interaction module.