Recombinant RGPD3 protein (His tag)

Catalog Number	550036
Species	Human
Expression System	E. coli
Accession	A6NKT7
Molecular Weight	Predictes a molecular mass of 13.27 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	1656-1758
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 1656-1758 aa (A6NKT7) 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 RGPD3 Fragment (1656-1758) is a high-purity protein fragment derived from the human RanBP2-like and GRIP domain-containing protein 3. This 103-amino acid fragment fully encompasses the GRIP functional domain, making it an ideal tool for investigating domain-specific interactions and molecular mechanisms in cellular processes. The full-length RanBP2-like and GRIP domain-containing protein 3 (RGPD3) is encoded by the RGPD3 gene in Homo sapiens. While detailed functional and subcellular localization data are not fully characterized, proteins containing GRIP domains are typically involved in intracellular trafficking and protein-protein interactions, suggesting potential roles in cellular organization and signaling pathways. This recombinant fragment enables focused study of the GRIP domain's contributions to these processes.