Recombinant RGSL protein (His tag)

Catalog Number	550570
Species	Human
Expression System	E. coli
Accession	A5PLK6
Molecular Weight	Predictes a molecular mass of 31.92 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	1-257
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 1-257 aa (A5PLK6) 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 RGSL1 (1-257) protein fragment offers a stable and soluble unit of the Regulator of G-protein signaling protein-like, specifically engineered for structural and biochemical studies. This 257-amino acid fragment represents a computationally optimized region that maintains structural integrity while enhancing experimental utility for researchers investigating G-protein signaling pathways. The full-length Regulator of G-protein signaling protein-like (RGSL1) is a membrane-associated protein localized to cellular membranes as a single-pass membrane protein. As a member of the regulator of G-protein signaling family, RGSL1 plays crucial roles in modulating G-protein coupled receptor signaling pathways by accelerating GTP hydrolysis on G-alpha subunits, thereby terminating G-protein mediated signal transduction. This regulatory function positions RGSL1 as an important component in various cellular processes controlled by GPCR signaling, making it a valuable target for signal transduction research and therapeutic development.