Recombinant RSLAB protein (His tag)

Catalog Number	549071
Synonyms	Ras-like protein VTS58635; Ras-related protein 17; RRP17
Species	Human
Expression System	E. coli
Accession	Q96S79
Molecular Weight	Predictes a molecular mass of 24.57 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	1-200
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 1-200 aa (Q96S79) 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 Ras-like protein family member 10B (RASL10B) Fragment (residues 1-200) is a high-quality, stable protein designed for structural and biochemical studies. This fragment, selected for optimal solubility and stability, supports research into its role in regulating arterial pressure through atrial natriuretic peptide release. Ras-like protein family member 10B (encoded by the RASL10B gene) is implicated in facilitating the release of atrial natriuretic peptide by cardiomyocytes, contributing to the regulation of arterial pressure. The full-length protein localizes to the cell membrane, anchored via lipids on the cytoplasmic side, highlighting its involvement in intracellular signaling pathways. This recombinant fragment enables focused investigation into its functional domains and mechanisms.