Recombinant RSLBB protein (His tag)

Catalog Number	550222
Species	Human
Expression System	E. coli
Accession	Q9BPW5
Molecular Weight	Predictes a molecular mass of 26.03 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	32-248
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 32-248 aa (Q9BPW5) 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 Ras-like protein family member 11B (EC 3.6.5.2) fragment (residues 32-248) is a high-purity, stable protein designed for structural and biochemical studies. This 217-amino acid fragment represents a soluble and functional unit of the human RASL11B protein, ideal for investigating GTPase activity and molecular interactions. Ras-like protein family member 11B (RASL11B) is a human protein belonging to the Ras superfamily of small GTPases, which are critical regulators of intracellular signaling pathways. While specific functional details and subcellular localization are not fully characterized, Ras family proteins typically participate in processes such as cell proliferation, differentiation, and vesicle trafficking. The recombinant fragment (32-248) was computationally selected to ensure stability and solubility, enabling reliable experimental applications in research on GTPase mechanisms and related cellular functions.