Recombinant PROB1 protein (His tag)

Catalog Number	551647
Species	Human
Expression System	E. coli
Accession	E7EW31
Molecular Weight	Predictes a molecular mass of 9.73 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	185-259
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 185-259 aa (E7EW31) 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	This product is a high-quality recombinant protein fragment of Human Proline-rich basic protein 1 (PROB1), encompassing residues 185-259. This 75-amino acid fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, biochemical characterization, and assay development. Proline-rich basic protein 1 (PROB1) is a human protein encoded by the PROB1 gene. Specific functional data and subcellular localization for the full-length protein were not provided in the source information. The provided UniProt ID (E7EW31) can be referenced for further investigation into the protein's potential roles and cellular context. The selected fragment (185-259) represents a predicted stable and soluble structural unit, specifically produced to enable experimental research into this protein's properties.