Recombinant PRR33 protein (His tag)

Catalog Number	552085
Species	Human
Expression System	E. coli
Accession	A8MZF0
Molecular Weight	Predictes a molecular mass of 11.37 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	246-331
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 246-331 aa (A8MZF0) 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-purity recombinant protein fragment of human Proline-rich protein 33 (PRR33), encompassing amino acids 246-331. This 86-amino acid fragment was computationally designed for optimal stability and solubility, making it an ideal reagent for structural studies, antibody production, and in vitro biochemical assays. Proline-rich protein 33 (PRR33) is a human protein encoded by the PRR33 gene (UniProt ID: A8MZF0). While the specific molecular function and subcellular localization of the full-length protein are areas of active research, recombinant fragments like this one are crucial tools for elucidating its biological role. The study of such proteins contributes to the broader understanding of cellular processes and protein networks.