Recombinant LRRC9 protein (His tag)

Catalog Number	551401
Species	Human
Expression System	E. coli
Accession	Q6ZRR7
Molecular Weight	Predictes a molecular mass of 36.77 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 38 kDa band.

Product Information

Sequence Region	1-303
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 1-303 aa (Q6ZRR7) 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 Leucine-rich repeat-containing protein 9 (LRRC9), encompassing amino acids 1-303. This 303-amino acid fragment was computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, biochemical assays, and functional characterization. Leucine-rich repeat-containing protein 9, encoded by the LRRC9 gene, is a human protein of significant research interest. As a member of the leucine-rich repeat (LRR) family, it is predicted to be involved in protein-protein interactions, a fundamental process in numerous cellular pathways. The specific biological function and subcellular localization of the full-length LRRC9 protein are areas of active investigation. This recombinant fragment provides a valuable tool for researchers to elucidate the structure and function of this protein, contributing to a deeper understanding of its role in cellular physiology and potential relevance to human health.