Recombinant L37A2 protein (His tag)

Catalog Number	550583
Species	Human
Expression System	E. coli
Accession	A6NM11
Molecular Weight	Predictes a molecular mass of 31.62 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	829-1091
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 829-1091 aa (A6NM11) 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 Leucine-rich repeat-containing protein 37A2 (LRRC37A2), spanning amino acids 829-1091. Designed for structural and biochemical studies, this 263-amino acid fragment was computationally selected to ensure stability and solubility, making it an ideal tool for advancing research on this human membrane protein. Leucine-rich repeat-containing protein 37A2 (LRRC37A2) is a human protein encoded by the LRRC37A2 gene. It is localized to the membrane and classified as a single-pass type I membrane protein, suggesting its potential role in membrane-associated processes such as signaling, adhesion, or receptor interactions. While a detailed functional summary is not available, its membrane localization and structural features indicate relevance in cellular communication and potential implications for understanding membrane protein dynamics in health and disease.