Recombinant LR37B protein (His tag)

Catalog Number	551255
Synonyms	C66 SLIT-like testicular protein
Species	Human
Expression System	E. coli
Accession	Q96QE4
Molecular Weight	Predictes a molecular mass of 31.60 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	519-781
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 519-781 aa (Q96QE4) 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	Introducing the recombinant human Leucine-rich repeat-containing protein 37B (LRRC37B, C66 SLIT-like testicular protein) fragment (residues 519-781). This 263-amino acid fragment was computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, antibody development, and functional characterization of this membrane-associated protein. Leucine-rich repeat-containing protein 37B (LRRC37B), also known as C66 SLIT-like testicular protein, is a human protein encoded by the LRRC37B gene. According to UniProt annotation, this protein is a single-pass type I membrane protein localized to cellular membranes. While detailed functional characterization is still emerging, its membrane association and structural features suggest potential roles in cellular signaling, adhesion, or receptor interactions. The production of this specific fragment enables researchers to investigate structural and biochemical properties of this protein domain without the challenges associated with full-length membrane protein expression and purification.