Recombinant LRTM2 protein (His tag)

Catalog Number	551219
Species	Human
Expression System	E. coli
Accession	Q8N967
Molecular Weight	Predictes a molecular mass of 25.94 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	38-250
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 38-250 aa (Q8N967) 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	Recombinant Human LRTM2 (Leucine-rich repeat and transmembrane domain-containing protein 2) fragment (residues 38-250) is a stable, soluble protein unit engineered for structural and biochemical studies. This 213-amino acid fragment enables researchers to investigate key domains of LRTM2 in a manageable format, ideal for elucidating its membrane-associated functions. Leucine-rich repeat and transmembrane domain-containing protein 2 (LRTM2), encoded by the LRTM2 gene in Homo sapiens, is a single-pass type I membrane protein localized to the membrane. While detailed functional data is limited, its structural domains suggest potential roles in protein-protein interactions and cellular signaling pathways at membrane interfaces. The selected fragment (residues 38-250) represents a computationally optimized region designed to enhance experimental utility while preserving structural relevance to the full-length protein.