Recombinant LRTM1 protein (His tag)

Catalog Number	551277
Species	Human
Expression System	E. coli
Accession	Q9HBL6
Molecular Weight	Predictes a molecular mass of 25.27 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	28-236
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 28-236 aa (Q9HBL6) 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 and transmembrane domain-containing protein 1 (LRTM1). The fragment (amino acids 28-236) is specifically designed to encompass the LRRNT and LRRCT functional domains, making it an ideal tool for researchers studying the structure and specific molecular interactions of these critical regions. Leucine-rich repeat and transmembrane domain-containing protein 1 (LRTM1), encoded by the LRTM1 gene, is a single-pass type I membrane protein localized to the cellular membrane. As a membrane protein, it is positioned to play key roles in cell signaling, adhesion, or receptor-ligand interactions at the cell surface. The provided fragment allows for focused investigation of the protein's extracellular leucine-rich repeat domains, which are often involved in protein-protein interactions, without the confounding presence of the transmembrane region.