Recombinant LMTD2 protein (His tag)

Catalog Number	543098
Species	Human
Expression System	E. coli
Accession	Q8IXW0
Molecular Weight	Predictes a molecular mass of 14.95 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	59-169
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 59-169 aa (Q8IXW0) 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 Lamin tail domain-containing protein 2 (LMNTD2) fragment (amino acids 59-169), a highly stable and soluble protein domain specifically engineered for structural biology and biochemical studies. This 111-amino acid fragment represents an optimal functional unit for investigating protein interactions and molecular mechanisms. Lamin tail domain-containing protein 2 (LMNTD2) is a human protein identified by UniProt ID Q8IXW0. While specific functional details and subcellular localization information for the full-length protein are not fully characterized, proteins containing lamin tail domains typically play important roles in nuclear structure and organization. The selected fragment (59-169) was computationally designed to provide a stable, soluble representation of the protein, enabling researchers to study its fundamental properties and potential interactions without the complications associated with full-length protein expression and purification.