Recombinant LRMDA protein (His tag)

Catalog Number	550499
Species	Human
Expression System	E. coli
Accession	Q9H2I8
Molecular Weight	Predictes a molecular mass of 17.81 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	1-141
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 1-141 aa (Q9H2I8) 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 Leucine-rich melanocyte differentiation-associated protein (LRMDA) fragment (residues 1-141) is a high-purity protein designed for investigating melanocyte differentiation mechanisms. This fragment fully encompasses the LRRCT functional domain, making it an ideal tool for domain-specific functional studies. The full-length Leucine-rich melanocyte differentiation-associated protein (LRMDA) is essential for melanocyte differentiation, as supported by experimental evidence (PubMed:23395477). While subcellular localization data is not specified, its critical role in cellular differentiation underscores its importance in pigment biology and related research areas.