Recombinant LR75B protein (His tag)

Catalog Number	550090
Synonyms	Leucine-rich repeat-containing protein FAM211B
Species	Human
Expression System	E. coli
Accession	Q2VPJ9
Molecular Weight	Predictes a molecular mass of 31.58 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	1-267
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 1-267 aa (Q2VPJ9) 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 LRRC75B (1-267) is a high-quality protein fragment derived from the Leucine-rich repeat-containing protein 75B (FAM211B), designed for structural and biochemical studies. This 267-amino acid fragment is computationally optimized for stability and solubility, enabling reliable investigation of its role in modulating myogenic differentiation and Erk1/2 signaling pathways. The full-length Leucine-rich repeat-containing protein 75B (LRRC75B), encoded by the LRRC75B gene in Homo sapiens, functions as a suppressor of myogenic differentiation. It achieves this by modulating the expression of MYOG and influencing Erk1/2 signaling pathways, as supported by experimental evidence (ECO:0000250|UniProtKB:Q7TPD7). This protein plays a significant role in cellular differentiation processes, making it a valuable target for research in muscle development and related signaling mechanisms.