Recombinant LRRN4 protein (His tag)

Catalog Number	548803
Synonyms	Neuronal leucine-rich repeat protein 4; NLRR-4
Species	Human
Expression System	E. coli
Accession	Q8WUT4
Molecular Weight	Predictes a molecular mass of 16.41 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	545-679
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 545-679 aa (Q8WUT4) 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 LRRN4 Fibronectin Type-III Domain Fragment (aa 545-679) - A high-purity protein fragment ideal for investigating the structural and functional properties of the Fibronectin type-III domain within the Leucine-rich repeat neuronal protein 4, supporting research on hippocampus-dependent memory mechanisms. Leucine-rich repeat neuronal protein 4 (LRRN4), encoded by the LRRN4 gene, plays an important role in hippocampus-dependent long-lasting memory formation. As a single-pass type I membrane protein localized to the cell membrane, it functions in neuronal processes critical for memory retention. The Fibronectin type-III domain (aa 579-679) contained within this recombinant fragment represents a key functional region that can be studied independently to understand its specific contributions to LRRN4's role in memory-related pathways.