Recombinant LRRT3 protein (His tag)

Catalog Number	540641
Species	Human
Expression System	E. coli
Accession	Q86VH5
Molecular Weight	Predictes a molecular mass of 39.49 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 39 kDa band.

Product Information

Sequence Region	33-362
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 33-362 aa (Q86VH5) 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 Leucine-rich repeat transmembrane neuronal protein 3 (LRRTM3) fragment (residues 33-362) is a 330-amino acid human protein designed for structural and biochemical studies. This fragment, selected for stability and solubility, supports research on synaptic development and neuronal function. Leucine-rich repeat transmembrane neuronal protein 3 (LRRTM3), encoded by the LRRTM3 gene in Homo sapiens, plays a role in the development and maintenance of the vertebrate nervous system. It exhibits limited synaptogenic activity in vitro, specifically promoting excitatory presynaptic differentiation. The protein is localized to the cell membrane and postsynaptic cell membrane as a single-pass type I membrane protein, indicating its involvement in neuronal signaling and connectivity at synapses.