Recombinant LIGO2 protein (His tag)

Catalog Number	550672
Synonyms	Leucine-rich repeat neuronal protein 3; Leucine-rich repeat neuronal protein 6C
Species	Human
Expression System	E. coli
Accession	Q7L985
Molecular Weight	Predictes a molecular mass of 55.17 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 55 kDa band.

Product Information

Sequence Region	28-502
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 28-502 aa (Q7L985) 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 LINGO2 Protein Fragment (28-502 aa) - A high-purity protein fragment encompassing the critical LRRNT, LRRCT, and Ig-like C2-type functional domains of Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 2. This 475-amino acid fragment serves as an essential tool for investigating domain-specific functions in neuronal protein interactions. The full-length LINGO2 protein (UniProt ID: Q7L985) is a human neuronal membrane protein classified as a single-pass type I membrane protein. As a member of the leucine-rich repeat neuronal protein family, LINGO2 is localized to the cell membrane where it functions as a key component in neuronal receptor interactions. The protein's structural organization, featuring leucine-rich repeats and immunoglobulin-like domains, suggests its involvement in protein-protein interactions critical for neuronal development and function. The membrane localization indicates potential roles in cell surface signaling and receptor complex formation within the nervous system.