Recombinant NRX2A protein (His tag)

Catalog Number	548437
Synonyms	Neurexin II-alpha; Neurexin-2-alpha
Species	Human
Expression System	E. coli
Accession	Q9P2S2
Molecular Weight	Predictes a molecular mass of 24.57 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	29-243
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 29-243 aa (Q9P2S2) 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 Neurexin-2 (NRXN2) Fragment (residues 29-243) is a high-purity protein designed for investigating cell recognition and adhesion mechanisms. This 215-amino acid fragment includes the complete Laminin G-like 1 and EGF-like 1 domains, making it an ideal tool for domain-specific functional studies in neuronal research. Neurexin-2 is a neuronal cell surface protein involved in critical processes such as cell recognition and adhesion, and may participate in intracellular signaling. Located primarily in the presynaptic cell membrane as a single-pass type I membrane protein, it plays a fundamental role in neural communication and synaptic organization. The provided fragment enables focused analysis of its key functional domains while maintaining relevance to the protein's native biological context.