Recombinant NTRI protein (His tag)

Catalog Number	539128
Synonyms	hNT; IgLON family member 2
Species	Human
Expression System	E. coli
Accession	Q9P121
Molecular Weight	Predictes a molecular mass of 31.92 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	42-314
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 42-314 aa (Q9P121) 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	This recombinant protein product features a fragment of human Neurotrimin (hNT), also known as IgLON family member 2, spanning amino acids 42-314. This fragment is engineered to include the Ig-like C2-type 2 and Ig-like C2-type 3 domains, making it an ideal tool for investigating the specific adhesive and signaling functions of these domains in neural cell interactions. Neurotrimin (hNT), encoded by the NTM gene, is a neural cell adhesion molecule that plays a critical role in mediating cell-cell interactions in the nervous system. As a member of the IgLON family, it contributes to processes such as neurite outgrowth, synaptic plasticity, and neuronal network formation. The protein is localized to the cell membrane via a glycosylphosphatidylinositol (GPI) anchor, positioning it to participate in extracellular signaling and adhesion events essential for neural development and function.