Recombinant NEPRO protein (His tag)

Catalog Number	548727
Species	Human
Expression System	E. coli
Accession	Q6NW34
Molecular Weight	Predictes a molecular mass of 28.46 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band.

Product Information

Sequence Region	1-238
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 1-238 aa (Q6NW34) 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 NEPRO (1-238) is a high-quality protein fragment derived from the nucleolus and neural progenitor protein, designed for structural and biochemical studies. This stable, soluble fragment supports research into neural development and Notch signaling pathways. The full-length NEPRO protein, encoded by the NEPRO gene in Homo sapiens, plays a critical role in cortex development through the Notch signaling pathway. It functions downstream of Notch to repress proneural gene expression and inhibit neuronal differentiation, thereby maintaining neural progenitor populations. Additionally, it is implicated in preimplantation embryo development. NEPRO is localized to the nucleus, specifically within the nucleolus, highlighting its involvement in key nuclear processes related to cell fate and development.