Recombinant NYAP2 protein (His tag)

Catalog Number	549948
Species	Human
Expression System	E. coli
Accession	Q9P242
Molecular Weight	Predictes a molecular mass of 10.51 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	1-75
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 1-75 aa (Q9P242) 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 1-75 amino acid fragment of Neuronal tyrosine-phosphorylated phosphoinositide-3-kinase adapter 2 (NYAP2) from Homo sapiens. This carefully selected fragment represents a stable, soluble unit ideal for structural studies and biochemical characterization of this important neuronal regulatory protein. Neuronal tyrosine-phosphorylated phosphoinositide-3-kinase adapter 2 (NYAP2) functions as a key activator of PI3K while simultaneously recruiting the WAVE1 complex to PI3K's vicinity, thereby playing a crucial role in regulating neuronal morphogenesis. This dual functionality positions NYAP2 as a significant player in neuronal development and structural organization processes.