Recombinant PPN protein (His tag)

Catalog Number	541923
Species	Human
Expression System	E. coli
Accession	O95428
Molecular Weight	Predictes a molecular mass of 27.63 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band.

Product Information

Sequence Region	1043-1278
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 1043-1278 aa (O95428) 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 Papilin Fragment (1043-1278) is a high-purity protein designed for investigating the specific functions of the Ig-like C2-type 3 and PLAC domains. This 236-amino acid fragment serves as an essential tool for researchers studying extracellular matrix interactions and domain-specific mechanisms. Papilin, encoded by the PAPLN gene in humans, is a secreted protein localized to the extracellular space. As a secreted protein, it plays roles in modulating extracellular matrix composition and cellular interactions. The selected fragment (1043-1278) encompasses two critical functional domains—Ig-like C2-type 3 (1133-1218) and PLAC (1231-1270)—enabling focused studies on their structural and functional contributions to Papilin's biological activities.