Recombinant HAP28 protein (His tag)

Catalog Number	549476
Synonyms	PDGF-associated protein; PAP; PDGFA-associated protein 1; PAP1
Species	Human
Expression System	E. coli
Accession	Q13442
Molecular Weight	Predictes a molecular mass of 13.98 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	75-181
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 75-181 aa (Q13442) 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 PDAP1 Protein Fragment (75-181): A high-quality, stable, and soluble fragment of the 28 kDa heat- and acid-stable phosphoprotein (PDAP1), designed for structural and biochemical studies. This fragment supports research into PDGF signaling pathways by providing a reliable tool for investigating protein interactions and functional mechanisms. The full-length PDAP1 protein, also known as PDGF-associated protein, modulates platelet-derived growth factor (PDGF) signaling in human cells. It enhances PDGFA-stimulated cell growth in fibroblasts while inhibiting the mitogenic effect of PDGFB, indicating a regulatory role in cell proliferation and differentiation. This fragment, selected for its stability and solubility, enables focused analysis of PDAP1's functional domains without the complexities of the full-length protein, aiding in elucidating its precise mechanisms in PDGF-related pathways.