Recombinant PADC1 protein (His tag)

Catalog Number	549902
Synonyms	Protease-associated domain-containing protein of 21 kDa; hPAP21
Species	Human
Expression System	E. coli
Accession	Q9BSG0
Molecular Weight	Predictes a molecular mass of 20.58 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	22-188
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 22-188 aa (Q9BSG0) 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 Protease-associated domain-containing protein 1 (hPAP21) fragment (residues 22-188) is a high-purity protein designed for functional studies. This 167-amino acid fragment fully encompasses the PA domain, providing an ideal tool for investigating the protein's role in modulating physical activity and adiposity. Protease-associated domain-containing protein 1 (PRADC1), also known as hPAP21, plays a significant role in the modulation of physical activity and adiposity. The full-length protein is secreted, as evidenced by experimental data, suggesting it functions extracellularly. This recombinant fragment specifically contains the complete PA domain (residues 83-163) within the larger 22-188 residue construct, enabling focused investigation of domain-specific functions related to metabolic regulation.