Recombinant PGPIL protein (His tag)

Catalog Number	551624
Species	Human
Expression System	E. coli
Accession	A6NFU8
Molecular Weight	Predictes a molecular mass of 23.29 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band.

Product Information

Sequence Region	1-196
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 1-196 aa (A6NFU8) 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 product is a high-quality recombinant fragment of the human Pyroglutamyl-peptidase 1-like protein (PGPEP1L, EC 3.4.19.-), encompassing residues 1-196. The fragment was computationally designed for optimal stability and solubility, making it an ideal reagent for structural studies, biochemical characterization, and functional assays. Pyroglutamyl-peptidase 1-like protein (PGPEP1L) is a human protein encoded by the gene PGPEP1. As a member of the pyroglutamyl-peptidase family (EC 3.4.19.-), it is implicated in the cleavage of N-terminal pyroglutamate residues from peptides and proteins, a critical post-translational modification step that can influence protein stability, activity, and signaling. This specific recombinant fragment (1-196) represents a stable, soluble unit predicted to contain key functional domains, facilitating research into the enzyme's mechanism and biological role.