Recombinant COLL1 protein (His tag)

Catalog Number	550303
Species	Human
Expression System	E. coli
Accession	A2RUU4
Molecular Weight	Predictes a molecular mass of 12.85 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	24-121
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 24-121 aa (A2RUU4) 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 Colipase-like protein 1 (CLPSL1) fragment (residues 24-121) from Homo sapiens. This 98-amino acid fragment is designed for structural and biochemical studies, offering a stable, soluble unit ideal for investigating protein interactions and functional mechanisms. Colipase-like protein 1, encoded by the CLPSL1 gene in humans, is a secreted protein, as indicated by its subcellular localization. Secreted proteins often play roles in extracellular signaling, enzyme regulation, or intercellular communication, suggesting potential involvement in metabolic or regulatory pathways. The provided fragment spans residues 24-121, encompassing a predicted structural domain, and was selected computationally to ensure solubility and stability for experimental applications.