Recombinant LATH protein (His tag)

Catalog Number	550433
Synonyms	BPI fold containing family A, member 4, pseudogene; Breast cancer and salivary gland-expressed protein; Putative latherin
Species	Human
Expression System	E. coli
Accession	Q86YQ2
Molecular Weight	Predictes a molecular mass of 18.11 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	31-179
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 31-179 aa (Q86YQ2) 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	Introducing the recombinant BPIFA4P protein fragment (residues 31-179), a stable and soluble unit derived from the human Putative BPIFA4P protein. This fragment is designed for structural and biochemical studies, leveraging the protein's surfactant properties and relevance in sweat composition. The full-length Putative BPIFA4P protein, also known as Breast cancer and salivary gland-expressed protein or Putative latherin, is a major component in human sweat with surfactant characteristics, as indicated by functional annotations. It is secreted into the extracellular space, where its surfactant properties may play a role in moisture regulation or other physiological processes. This recombinant fragment focuses on a computationally optimized region to facilitate research into its structural and functional attributes.