Recombinant BPIB2 protein (His tag)

Catalog Number	543133
Synonyms	Bactericidal/permeability-increasing protein-like 1; BPI-like 1; Long palate, lung and nasal epithelium carcinoma-associated protein 2; RYSR
Species	Human
Expression System	E. coli
Accession	Q8N4F0
Molecular Weight	Predictes a molecular mass of 48.78 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 49 kDa band.

Product Information

Sequence Region	21-458
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 21-458 aa (Q8N4F0) 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 BPIFB2 protein fragment (residues 21-458) from Homo sapiens, representing a stable and soluble unit of the Bactericidal/permeability-increasing protein-like 1. This fragment is optimized for structural and biochemical studies, offering researchers a reliable tool for investigating its functional domains. BPI fold-containing family B member 2 (BPIFB2), also known as Bactericidal/permeability-increasing protein-like 1, is a secreted protein in humans, as indicated by its subcellular localization. While the exact functional details are not fully characterized, proteins in this family are often associated with innate immunity and host defense mechanisms. The recombinant fragment (21-458) encompasses key structural domains, providing a focused approach to explore its potential roles in physiological and pathological contexts.