Recombinant VPREB protein (His tag)

Catalog Number	542116
Synonyms	CD179 antigen-like family member A; Protein VPreB1; V(pre)B protein; VpreB protein; CD antigen CD179a
Species	Human
Expression System	E. coli
Accession	P12018
Molecular Weight	Predictes a molecular mass of 16.19 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	20-145
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 20-145 aa (P12018) 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 Immunoglobulin iota chain (CD179a) Fragment (aa 20-145) is a high-purity protein designed to encompass the complete Ig-like V-type domain. This fragment serves as a valuable tool for investigating pre-B-cell receptor assembly, B-cell differentiation, and immunoglobulin gene rearrangement studies. The full-length Immunoglobulin iota chain (VPREB1) associates with the Ig-mu chain to form a molecular complex expressed on pre-B-cell surfaces, playing a crucial regulatory role in immunoglobulin gene rearrangements during early B-cell differentiation. According to UniProt data, this protein is primarily localized to the endoplasmic reticulum (ECO:0000250|UniProtKB:P13372), indicating its involvement in early secretory pathway processes related to B-cell receptor formation and quality control.