Recombinant B2L12 protein (His tag)

Catalog Number	549097
Synonyms	Bcl2-L-12; Bcl-2-related proline-rich protein
Species	Human
Expression System	E. coli
Accession	Q9HB09
Molecular Weight	Predictes a molecular mass of 19.44 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	87-250
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 87-250 aa (Q9HB09) 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 Bcl-2-like protein 12 (Bcl2-L-12) fragment (residues 87-250) is a high-purity, soluble protein designed for structural and biochemical studies. This 164-amino acid fragment was computationally optimized for stability, offering researchers a reliable tool to investigate the molecular mechanisms of this apoptosis-related protein. Bcl-2-like protein 12 (BCL2L12) is a human protein belonging to the Bcl-2 family, which plays critical roles in regulating apoptosis and cellular homeostasis. While specific functional details and subcellular localization for this protein are not fully characterized in the provided data, proteins in the Bcl-2 family are generally involved in mitochondrial apoptosis pathways and have implications in cancer biology and cellular stress responses. The selected fragment (87-250) represents a stable, soluble region suitable for experimental applications where full-length protein expression may be challenging.