Recombinant CA052 protein (His tag)

Catalog Number	550960
Synonyms	BCL10-associated gene protein
Species	Human
Expression System	E. coli
Accession	Q8N6N3
Molecular Weight	Predictes a molecular mass of 10.91 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	55-132
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 55-132 aa (Q8N6N3) 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 UPF0690 protein C1orf52 (BCL10-associated gene protein) fragment (amino acids 55-132) is a high-purity, stable protein designed for structural biology and biochemical studies. This 78-amino acid fragment was computationally optimized for solubility and stability, enabling reliable investigation of protein characteristics in experimental settings. The full-length UPF0690 protein C1orf52, encoded by the C1orf52 gene in Homo sapiens, is recognized as a BCL10-associated gene product, suggesting potential involvement in cellular signaling pathways. While detailed functional and subcellular localization data remain to be fully characterized, its association with BCL10 indicates possible roles in immune regulation or apoptosis-related processes. This recombinant fragment provides a focused tool for elucidating the protein's structural properties and biochemical behavior.