Recombinant BAP29 protein (His tag)

Catalog Number	543828
Synonyms	BCR-associated protein 29; Bap29
Species	Human
Expression System	E. coli
Accession	Q9UHQ4
Molecular Weight	Predictes a molecular mass of 15.33 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	125-241
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 125-241 aa (Q9UHQ4) 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 B-cell receptor-associated protein 29 (Bap29) fragment (residues 125-241) offers a stable, soluble unit of this key endoplasmic reticulum membrane protein, ideal for structural studies and biochemical assays investigating intracellular transport and apoptosis mechanisms. B-cell receptor-associated protein 29 (Bap29), encoded by the BCAP29 gene in humans, is a multi-pass membrane protein localized to the endoplasmic reticulum membrane. It plays a role in anterograde transport of membrane proteins from the endoplasmic reticulum to the Golgi apparatus, facilitating intracellular protein trafficking. Additionally, Bap29 may be involved in CASP8-mediated apoptosis, linking it to programmed cell death pathways. The selected fragment (residues 125-241) represents a computationally optimized region for experimental applications, derived from the full-length protein's functional context.