Recombinant CCZ1B protein (His tag)

Catalog Number	551122
Synonyms	Vacuolar fusion protein CCZ1 homolog-like
Species	Human
Expression System	E. coli
Accession	P86790
Molecular Weight	Predictes a molecular mass of 57.39 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 60 kDa band.

Product Information

Sequence Region	2-482
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 2-482 aa (P86790) 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 Vacuolar fusion protein CCZ1 homolog B (CCZ1B) fragment (residues 2-482) from Homo sapiens, designed for structural and biochemical studies. This 481-amino acid fragment represents a stable and soluble unit, optimized for experimental applications in lysosomal research. The full-length Vacuolar fusion protein CCZ1 homolog B is localized to the lysosome membrane, as indicated by experimental evidence. While detailed functional data is unavailable, its lysosomal membrane association suggests involvement in vesicular trafficking, organelle fusion, or lysosomal function. The recombinant fragment (2-482) was computationally selected to provide a stable, soluble protein unit suitable for investigating structural properties and molecular interactions.