Recombinant TBCD9 protein (His tag)

Catalog Number	550668
Synonyms	TBC1 domain family member 9A
Species	Human
Expression System	E. coli
Accession	Q6ZT07
Molecular Weight	Predictes a molecular mass of 56.82 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 60 kDa band.

Product Information

Sequence Region	457-936
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 457-936 aa (Q6ZT07) 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 TBC1D9 Fragment (457-936) - A high-purity protein fragment specifically designed to encompass the complete Rab-GAP TBC and EF-hand domains of TBC1 domain family member 9A. This fragment serves as an essential research tool for investigating the GTPase-activating functions of TBC1D9 in Rab protein regulation. TBC1 domain family member 9 (TBC1D9) functions as a GTPase-activating protein (GAP) for Rab family proteins, playing a crucial role in regulating intracellular vesicle trafficking and membrane dynamics. As a member of the TBC domain-containing protein family, TBC1D9 facilitates GTP hydrolysis on specific Rab GTPases, thereby controlling their activation state and subsequent involvement in various cellular processes including membrane transport, organelle biogenesis, and signal transduction pathways.