Recombinant TBC30 protein (His tag)

Catalog Number	546285
Species	Human
Expression System	E. coli
Accession	Q9Y2I9
Molecular Weight	Predictes a molecular mass of 46.87 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 47 kDa band.

Product Information

Sequence Region	142-530
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 142-530 aa (Q9Y2I9) 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 TBC1 domain family member 30 (TBC1D30) fragment (aa 142-530) is a high-purity protein designed for studying Rab GTPase regulation. This fragment fully encompasses the critical Rab-GAP TBC domain, offering researchers a targeted tool to investigate domain-specific functions in cellular signaling and membrane trafficking. TBC1D30 is a human protein that functions as a GTPase-activating protein (GAP) for Rab family proteins, playing a key role in regulating intracellular vesicle trafficking and membrane dynamics. It localizes to the cell membrane as a peripheral membrane protein, where it modulates Rab-mediated signaling pathways. The Rab-GAP TBC domain (aa 249-457) contained within this fragment is essential for its GAP activity, making this recombinant protein particularly valuable for mechanistic studies of Rab protein regulation and membrane-associated processes.