Recombinant GRTP6 protein (His tag)

Catalog Number	536952
Synonyms	TBC1 domain family member 6
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q09445
Gene ID	182185
Molecular Weight	Predictes a molecular mass of 40.02 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 40 kDa band.

Product Information

Sequence Region	1-330
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 1-330 aa (Q09445) 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 Growth hormone-regulated TBC protein 6 (TBC1 domain family member 6) fragment (amino acids 1-330) from Caenorhabditis elegans. This carefully designed fragment fully encompasses the Rab-GAP TBC domain, providing researchers with an ideal tool for studying the specific functions and mechanisms of this critical regulatory domain in cellular processes. Growth hormone-regulated TBC protein 6 (TBC1 domain family member 6), encoded by the tbc-6 gene in Caenorhabditis elegans, belongs to the TBC domain-containing family of proteins that function as Rab GTPase-activating proteins (GAPs). The TBC domain is evolutionarily conserved and plays a crucial role in regulating Rab GTPase activity, which is essential for intracellular membrane trafficking processes. As a Rab-GAP, this protein facilitates the hydrolysis of GTP to GDP on Rab proteins, thereby controlling the switch between active and inactive states of these key regulators of vesicle transport and membrane dynamics.