Recombinant TRC8 protein (His tag)

Catalog Number	532808
Species	Drosophila melanogaster
Expression System	E. coli
Accession	Q7KRW1
Gene ID	43476
Molecular Weight	Predictes a molecular mass of 13.48 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	560-662
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 560-662 aa (Q7KRW1) 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 Protein TRC8 homolog (Trc8) fragment (560-662) from Drosophila melanogaster is a high-purity, stable protein preparation ideal for structural and functional studies. This 103-amino acid fragment represents a soluble domain optimized for biochemical analysis, enabling researchers to investigate growth regulation and COP9 signalosome interactions. Protein TRC8 homolog is a multi-pass membrane protein localized to the endoplasmic reticulum membrane in Drosophila melanogaster. It plays a crucial role in growth inhibition pathways dependent on COP9 signalosome subunits CSN5 and CSN6, potentially modulating signalosome levels or compartmentalization. The protein functions in the same or related pathway as VHL during early midline development, making it significant for studying developmental biology and cellular regulation mechanisms.