Recombinant TR16L protein (His tag)

Catalog Number	550617
Synonyms	Tripartite motif-containing protein 70
Species	Human
Expression System	E. coli
Accession	Q309B1
Molecular Weight	Predictes a molecular mass of 41.96 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 44 kDa band.

Product Information

Sequence Region	1-348
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-348 aa (Q309B1) 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 TRIM16L (Tripartite motif-containing protein 16-like protein) fragment (amino acids 1-348), encompassing the complete B30.2/SPRY domain. This high-purity protein is ideal for investigating domain-specific functions in cellular processes. Tripartite motif-containing protein 16-like protein (also known as TRIM70) is encoded by the TRIM16L gene in humans and is localized to the cytoplasm, as indicated by its subcellular location. The full-length protein belongs to the TRIM family, which is involved in diverse cellular functions such as ubiquitination, antiviral defense, and autophagy. The provided fragment (1-348) includes the B30.2/SPRY domain, which is critical for protein-protein interactions and substrate recognition, making this recombinant protein a valuable tool for studying the mechanistic roles of this domain in TRIM16L-mediated pathways.