Recombinant TR49D protein (His tag)

Catalog Number	551090
Synonyms	Tripartite motif-containing protein 49-like protein; Tripartite motif-containing protein 49D1; Tripartite motif-containing protein 49D2
Species	Human
Expression System	E. coli
Accession	C9J1S8
Molecular Weight	Predictes a molecular mass of 36.24 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 36 kDa band.

Product Information

Sequence Region	1-292
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 1-292 aa (C9J1S8) 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 TRIM49D protein fragment (amino acids 1-292) offers researchers a stable and soluble unit of Tripartite motif-containing protein 49D, ideal for structural biology studies and biochemical characterization. This carefully selected fragment maintains key properties while ensuring experimental reliability for advanced research applications. Tripartite motif-containing protein 49D (TRIM49D) belongs to the TRIM family of proteins, which are characterized by their conserved N-terminal RBCC motif consisting of RING finger, B-box, and coiled-coil domains. TRIM proteins play crucial roles in various cellular processes including intracellular signaling, protein quality control, and immune response regulation. While specific functional data for TRIM49D is limited in the provided information, TRIM family proteins typically function as E3 ubiquitin ligases involved in protein ubiquitination pathways. The recombinant fragment (1-292) was computationally designed to represent a stable and soluble protein unit, enabling researchers to investigate structural features and conduct biochemical analyses that may contribute to understanding the broader functional roles of TRIM proteins in cellular regulation.