Recombinant TRIMM protein (His tag)

Catalog Number	545450
Synonyms	RING-type E3 ubiquitin transferase TRIML2; SPRY domain-containing protein 6; Tripartite motif family-like protein 2
Species	Human
Expression System	E. coli
Accession	Q8N7C3
Molecular Weight	Predictes a molecular mass of 51.55 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 55 kDa band.

Product Information

Sequence Region	1-437
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 1-437 aa (Q8N7C3) 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 TRIML2 Protein (1-437) is a high-purity fragment encompassing the complete B30.2/SPRY domain of Probable E3 Ubiquitin-Protein Ligase TRIML2. This domain-specific construct provides researchers with an essential tool for investigating the molecular mechanisms of ubiquitin transfer and protein-protein interactions mediated by this RING-type E3 ubiquitin transferase. TRIML2 (Tripartite Motif Family-Like Protein 2) is classified as a probable E3 ubiquitin-protein ligase (EC 2.3.2.27) that functions as a RING-type E3 ubiquitin transferase. As a member of the TRIM family, TRIML2 contains characteristic domains including the RING finger, B-box, and coiled-coil regions, followed by the C-terminal B30.2/SPRY domain present in this recombinant fragment. E3 ubiquitin ligases play crucial roles in the ubiquitin-proteasome system by catalyzing the final step of ubiquitin conjugation to specific substrate proteins, thereby regulating diverse cellular processes including protein degradation, signal transduction, and immune responses. The B30.2/SPRY domain contained in this fragment is known to mediate specific protein-protein interactions, making this recombinant protein particularly valuable for studying the molecular recognition and substrate specificity mechanisms of TRIML2 in ubiquitin signaling pathways.