Recombinant TRIM2 protein (His tag)

Catalog Number	543559
Synonyms	E3 ubiquitin-protein ligase TRIM2; RING finger protein 86; RING-type E3 ubiquitin transferase TRIM2
Species	Human
Expression System	E. coli
Accession	Q9C040
Molecular Weight	Predictes a molecular mass of 48.63 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 50 kDa band.

Product Information

Sequence Region	1-423
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 1-423 aa (Q9C040) 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	This product features a recombinant fragment of Tripartite motif-containing protein 2 (TRIM2), an E3 ubiquitin-protein ligase, spanning amino acids 1-423. The fragment is engineered for high stability and solubility, making it an ideal tool for structural studies, biochemical assays, and investigating ubiquitination mechanisms. Tripartite motif-containing protein 2 (TRIM2) is a UBE2D1-dependent E3 ubiquitin-protein ligase that mediates the ubiquitination of key substrates such as NEFL and phosphorylated BCL2L11, playing a neuroprotective role and potentially contributing to neuronal rapid ischemic tolerance. It also functions in antiviral immunity, limiting New World arenavirus infection independently of its ubiquitin ligase activity. The protein is localized in the cytoplasm, as supported by experimental evidence, underscoring its relevance in intracellular signaling and protein degradation pathways.