

TRIM54 Protein, Human (His, Strep, FLAG)

Cat. No.:	HY-P701508
Synonyms:	TRIM54; Tripartite motif-containing protein 54; Muscle-specific RING finger protein; MuRF; Muscle-specific RING finger protein 3; MuRF-3; MuRF3; RING finger protein 30
Species:	Human
Source:	E. coli
Accession:	Q9BYV2 (N2-P358)
Gene ID:	57159
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	<p>The TRIM54 protein emerges as a potential regulator during myotube formation, as it may bind to and stabilize microtubules. Existing as both homooligomers and heterooligomers, TRIM54 exhibits a versatile nature in its molecular interactions. It interacts with tubulin, suggesting a role in modulating microtubule dynamics. Furthermore, TRIM54 is reported to interact with TRIM63 and likely with TRIM55, indicating its involvement in intricate protein complexes. The multifaceted interactions of TRIM54 with tubulin and other TRIM proteins underscore its potential significance in the regulation of cytoskeletal dynamics and cellular processes, particularly those associated with myotube formation. Further exploration is warranted to unravel the specific contributions of TRIM54 to the intricate landscape of molecular interactions in muscle cell development.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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