

RNF181 Protein, Human

Cat. No.:	HY-P701560
Synonyms:	RNF181; E3 ubiquitin-protein ligase RNF181; RING finger protein 181
Species:	Human
Source:	E. coli
Accession:	Q9P0P0 (A2-T153)
Gene ID:	51255
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	RNF181 Protein, functioning as an E3 ubiquitin-protein ligase, operates by accepting ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and subsequently directly transferring ubiquitin to its targeted substrates. Notably, RNF181 catalyzes the monoubiquitination of the 26S proteasome subunit PSMC2/RPT1. This activity suggests a role in the regulation of the 26S proteasome, a crucial cellular machinery responsible for protein degradation. The ability of RNF181 to mediate monoubiquitination of PSMC2/RPT1 implies potential involvement in the modulation of proteasomal function, contributing to the intricate regulatory network governing cellular protein homeostasis.
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Caution: Product has not been fully validated for medical applications. For research use only.

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