Recombinant RN187 protein (His tag)

Catalog Number	542844
Synonyms	RING domain AP1 coactivator 1; RACO-1; RING finger protein 187; RING-type E3 ubiquitin transferase RNF187
Species	Human
Expression System	E. coli
Accession	Q5TA31
Molecular Weight	Predictes a molecular mass of 13.46 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	134-235
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 134-235 aa (Q5TA31) 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 recombinant protein is a 102-amino acid fragment (residues 134-235) of human E3 ubiquitin-protein ligase RNF187, designed for structural and biochemical studies. It represents a stable, soluble unit ideal for investigating ubiquitination mechanisms and JUN-mediated gene activation pathways. RNF187 is an E3 ubiquitin-protein ligase that functions as a coactivator of JUN-mediated gene activation in response to growth factor signaling via the MAP3K1 pathway, independent of MAPK8. It is primarily localized in the cytoplasm but shuttles between the cytoplasm and nucleus, highlighting its dynamic role in cellular signaling and ubiquitination processes.