Recombinant RNF37 protein (His tag)

Catalog Number	546587
Synonyms	RING-type E3 ubiquitin transferase RNF37; U-box domain-containing protein 5; UbcM4-interacting protein 5; hUIP5; Ubiquitin-conjugating enzyme 7-interacting protein 5
Species	Human
Expression System	E. coli
Accession	O94941
Molecular Weight	Predictes a molecular mass of 25.28 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	1-215
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-215 aa (O94941) 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 RING finger protein 37 (RNF37) fragment (residues 1-215) from Homo sapiens, a stable and soluble unit designed for structural and biochemical studies of this E3 ubiquitin ligase involved in ubiquitination pathways. RING finger protein 37 (UBOX5) is a RING-type E3 ubiquitin transferase (EC 2.3.2.27) that may function as an E3 ubiquitin-protein ligase or as a ubiquitin-ubiquitin ligase, facilitating the elongation of ubiquitin chains on target substrates. This protein is primarily localized to the nucleus and is enriched in nuclear bodies, suggesting roles in nuclear processes regulated by ubiquitination. The provided fragment (1-215) represents a computationally optimized region for experimental applications, supporting research into ubiquitin-mediated signaling and protein regulation.