Recombinant DZIP3 protein (His tag)

Catalog Number	543063
Synonyms	DAZ-interacting protein 3; RING-type E3 ubiquitin transferase DZIP3; RNA-binding ubiquitin ligase of 138 kDa; hRUL138
Species	Human
Expression System	E. coli
Accession	Q86Y13
Molecular Weight	Predictes a molecular mass of 28.98 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	105-339
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 105-339 aa (Q86Y13) 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	Introducing the recombinant E3 ubiquitin-protein ligase DZIP3 fragment (amino acids 105-339), a high-quality protein product derived from human sources. This fragment is engineered for stability and solubility, making it an ideal tool for studying ubiquitination mechanisms, structural biology, and biochemical assays. E3 ubiquitin-protein ligase DZIP3 (encoded by the DZIP3 gene) functions as a RING-type E3 ubiquitin transferase that mediates ubiquitination, leading to the proteasomal degradation of target proteins. It accepts ubiquitin from E2 ubiquitin-conjugating enzymes and directly transfers it to substrates, playing a critical role in post-translational regulation. Additionally, DZIP3 is capable of binding RNA, suggesting involvement in RNA-related processes. The full-length protein is localized in the cytoplasm, as supported by experimental evidence. This recombinant fragment represents a stable and soluble unit, selected computationally to facilitate research on its biochemical properties and interactions.