Recombinant ERI3 protein (His tag)

Catalog Number	548897
Synonyms	Prion interactor 1; Prion protein-interacting protein
Species	Human
Expression System	E. coli
Accession	O43414
Molecular Weight	Predictes a molecular mass of 24.96 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	135-337
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 135-337 aa (O43414) 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 Human ERI1 Exoribonuclease Fragment (residues 135-337) - a high-purity protein fragment encompassing the complete exonuclease domain, ideal for functional studies of RNA degradation mechanisms and prion protein interactions. ERI1 exoribonuclease 3 (also known as Prion interactor 1) is a human enzyme classified under EC 3.1.-.- that functions as an exoribonuclease involved in RNA processing and degradation pathways. The protein has been identified as a prion protein-interacting protein, suggesting potential roles in cellular processes related to prion biology and RNA metabolism regulation.