Recombinant ERI2 protein (His tag)

Catalog Number	549694
Synonyms	Exonuclease domain-containing protein 1
Species	Human
Expression System	E. coli
Accession	A8K979
Molecular Weight	Predictes a molecular mass of 29.38 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band.

Product Information

Sequence Region	1-243
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 1-243 aa (A8K979) 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 2 (ERI2) Fragment (residues 1-243) is a high-purity protein designed for functional studies. This fragment fully encompasses the exonuclease domain, making it an ideal tool for investigating domain-specific catalytic activities and RNA metabolism mechanisms in vitro. ERI1 exoribonuclease 2 (encoded by the ERI2 gene) is a human enzyme classified under EC 3.1.-.-, indicating its role in nucleic acid hydrolysis. While detailed functional and localization data are not fully characterized, exoribonucleases typically participate in RNA processing, degradation, and quality control pathways, suggesting potential involvement in post-transcriptional regulation and cellular RNA homeostasis.