Recombinant MEX3A protein (His tag)

Catalog Number	549135
Synonyms	RING finger and KH domain-containing protein 4
Species	Human
Expression System	E. coli
Accession	A1L020
Molecular Weight	Predictes a molecular mass of 24.20 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 24 kDa band.

Product Information

Sequence Region	82-292
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 82-292 aa (A1L020) 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 MEX3A (82-292) Fragment - A high-purity protein fragment encompassing both KH domains (KH1 and KH2) of the RNA-binding protein MEX3A, designed for studying RNA-protein interactions and post-transcriptional regulatory mechanisms. MEX3A (RING finger and KH domain-containing protein 4) is an RNA-binding protein involved in post-transcriptional regulatory mechanisms. The protein exhibits dynamic subcellular localization, predominantly expressed in the cytoplasm while also present in the nucleus and cytoplasmic P-bodies. It shuttles between the cytoplasm and nucleus through the CRM1 export pathway, suggesting a role in mRNA transport and localization. The full-length protein's ability to localize to P-bodies, which are sites of mRNA decay and storage, further supports its involvement in post-transcriptional gene regulation and mRNA metabolism.