Recombinant NTF2 protein (His tag)

Catalog Number	536744
Synonyms	NTF-2
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q21735
Gene ID	172648
Molecular Weight	Predictes a molecular mass of 16.77 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	1-133
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 1-133 aa (Q21735) 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 Probable Nuclear Transport Factor 2 (NTF-2) fragment from Caenorhabditis elegans, encompassing the complete NTF2 domain (residues 1-133). This high-purity protein is an essential tool for investigating nuclear import mechanisms and domain-specific functions in cellular transport studies. Probable Nuclear Transport Factor 2 facilitates protein transport into the nucleus and is proposed to function as part of a multicomponent cytosolic system that assembles at the nuclear pore complex during import processes. According to UniProt annotation (Q21735), this protein localizes to the cytoplasm, where it participates in coordinating nucleocytoplasmic trafficking. The full-length protein's role in nuclear import pathways makes it significant for studying intracellular transport regulation and nuclear envelope dynamics.