Recombinant FOXN2 protein (His tag)

Catalog Number	549191
Synonyms	Human T-cell leukemia virus enhancer factor
Species	Human
Expression System	E. coli
Accession	P32314
Molecular Weight	Predictes a molecular mass of 12.61 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	111-205
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 111-205 aa (P32314) 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 FOXN2 Fragment (aa 111-205) is a high-purity, soluble protein derived from the human Forkhead box protein N2, designed for structural and biochemical studies. This 95-amino acid fragment offers a stable unit ideal for investigating DNA-binding interactions relevant to HTLV-I regulation. Forkhead box protein N2 (FOXN2) is a human transcription factor that binds to the purine-rich region in the HTLV-I LTR, playing a role in viral enhancer regulation. The protein is localized to the nucleus, where it functions in gene expression control. This fragment provides a focused tool for exploring FOXN2's DNA-binding mechanisms without domain complexities.