Recombinant FOXF1 protein (His tag)

Catalog Number	547244
Synonyms	Forkhead-related activator 1; FREAC-1; Forkhead-related protein FKHL5; Forkhead-related transcription factor 1
Species	Human
Expression System	E. coli
Accession	Q12946
Molecular Weight	Predictes a molecular mass of 12.88 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	46-141
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 46-141 aa (Q12946) 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 FOXF1 Protein Fragment (46-141) is a high-quality, stable, and soluble fragment of Forkhead box protein F1, designed for structural and biochemical studies. This 96-amino acid fragment retains key properties for investigating the transcriptional regulatory functions of FOXF1 in lung-specific gene expression. Forkhead box protein F1 (FOXF1) is a probable transcription activator that plays a critical role in regulating lung-specific genes. It functions within the nucleus, where it contributes to gene expression mechanisms essential for pulmonary development and function. The full-length protein is implicated in transcriptional pathways that support respiratory system specificity, making it a significant target for research in lung biology and related disorders.