Recombinant FOXR2 protein (His tag)

Catalog Number	548733
Synonyms	Forkhead box protein N6
Species	Human
Expression System	E. coli
Accession	Q6PJQ5
Molecular Weight	Predictes a molecular mass of 16.31 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	189-311
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 189-311 aa (Q6PJQ5) 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 Forkhead box protein R2 (FOXR2) Fragment (aa 189-311) is a high-purity, stable protein segment designed for structural and biochemical research. This 123-amino acid fragment was computationally optimized for solubility and stability, making it an ideal tool for studying the molecular characteristics of this transcription factor in vitro. Forkhead box protein R2 (FOXR2), also known as Forkhead box protein N6, is a human transcription factor localized to the nucleus, as confirmed by conserved domain evidence (UniProt: Q6PJQ5). Nuclear localization suggests its involvement in gene regulation processes, potentially binding DNA through its forkhead domain to influence transcriptional activity. The provided fragment (aa 189-311) represents a soluble, structurally defined region selected to facilitate investigations into FOXR2's functional mechanisms, though specific functional details for this fragment are not annotated in the source data.