Recombinant FOXD2 protein (His tag)

Catalog Number	537258
Synonyms	Forkhead-related protein FKHL17; Forkhead-related transcription factor 9; FREAC-9
Species	Human
Expression System	E. coli
Accession	O60548
Molecular Weight	Predictes a molecular mass of 13.81 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	125-227
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 125-227 aa (O60548) 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 FOXD2 Protein Fragment (aa 125-227) is a high-quality, stable, and soluble protein fragment derived from the Forkhead box protein D2 (FOXD2), a transcription factor involved in embryogenesis and somatogenesis. This fragment is ideal for structural and biochemical studies, offering researchers a reliable tool for exploring protein function. The full-length Forkhead box protein D2 (FOXD2), also known as Forkhead-related protein FKHL17 or FREAC-9, is a probable transcription factor that plays a key role in embryogenesis and somatogenesis, contributing to developmental processes in humans. It is localized to the nucleus, where it functions in gene regulation. This recombinant fragment (amino acids 125-227) was selected based on computational predictions to ensure stability and solubility, facilitating research into its structural and functional properties without the complexities of the full-length protein.