Recombinant FOXP4 protein (His tag)

Catalog Number	545377
Synonyms	Fork head-related protein-like A
Species	Human
Expression System	E. coli
Accession	Q8IVH2
Molecular Weight	Predictes a molecular mass of 13.36 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	450-546
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 450-546 aa (Q8IVH2) 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 FOXP4 Fragment (450-546) is a high-purity, soluble protein fragment derived from the Forkhead box protein P4, a transcriptional repressor involved in lung-specific gene regulation. This 97-amino acid fragment is expertly designed for structural and biochemical studies, offering researchers a stable and functional unit for in-depth analysis. Forkhead box protein P4 (FOXP4) functions as a transcriptional repressor that specifically represses lung-specific gene expression, playing a critical role in respiratory system development and function. The protein is localized to the nucleus, where it exerts its regulatory activities. This recombinant fragment provides a focused tool for investigating FOXP4's molecular mechanisms without interference from other protein domains.