Recombinant IGFL4 protein (His tag)

Catalog Number	551393
Species	Human
Expression System	E. coli
Accession	Q6B9Z1
Molecular Weight	Predictes a molecular mass of 13.49 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	20-124
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 20-124 aa (Q6B9Z1) 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	This product is a high-quality recombinant protein fragment of human Insulin growth factor-like family member 4 (IGFL4), encompassing amino acids 20-124. This 105-amino acid fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology, biochemical characterization, and functional studies. Insulin growth factor-like family member 4 (IGFL4) is a human protein encoded by the IGFL4 gene (UniProt ID: Q6B9Z1). According to its subcellular localization, the full-length protein is secreted, indicating it functions in the extracellular space, potentially as a signaling molecule or ligand. The provided fragment (20-124) represents a predicted stable and soluble structural unit of the protein, selected to facilitate research into its biochemical properties and molecular interactions.