Recombinant FGF14 protein (His tag)

Catalog Number	547883
Synonyms	FGF-14; Fibroblast growth factor homologous factor 4; FHF-4
Species	Human
Expression System	E. coli
Accession	Q92915
Molecular Weight	Predictes a molecular mass of 18.89 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	65-216
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 65-216 aa (Q92915) 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 Fibroblast Growth Factor 14 (FGF-14) Fragment (aa 65-216) is a high-quality, soluble protein fragment designed for structural and biochemical studies. This 152-amino acid fragment offers a stable and functional unit of FGF-14, facilitating research into nervous system development and function. Fibroblast Growth Factor 14 (FGF-14), also known as Fibroblast Growth Factor Homologous Factor 4 (FHF-4), is a human protein encoded by the FGF14 gene. It is primarily localized in the nucleus and is believed to play a crucial role in nervous system development and function. The full-length protein contributes to cellular processes that support neural health and activity, making it a significant target for neurological research. This recombinant fragment (amino acids 65-216) was selected for its stability and solubility, enabling detailed analysis of FGF-14's properties without the complexities of the full-length protein.