Recombinant FGFP3 protein (His tag)

Catalog Number	540814
Synonyms	FGF-BP3; FGF-binding protein 3; FGFBP-3
Species	Human
Expression System	E. coli
Accession	Q8TAT2
Molecular Weight	Predictes a molecular mass of 15.10 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band.

Product Information

Sequence Region	27-151
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 27-151 aa (Q8TAT2) 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-binding protein 3 (FGF-BP3) Fragment (residues 27-151) is a 125-amino acid protein designed for structural and biochemical studies. This soluble, stable fragment retains key functional properties, enabling research into FGF2 binding and its role in modulating vascular permeability. Fibroblast growth factor-binding protein 3 (FGF-BP3) is a heparin-binding protein that binds to FGF2, preventing its interaction with heparin and likely inhibiting its immobilization on extracellular matrix glycosaminoglycans. This activity facilitates the release of FGF2, promoting FGFR signaling and increasing vascular permeability. As a secreted protein, FGF-BP3 plays a crucial role in regulating growth factor availability and signaling in physiological and pathological contexts, making it a valuable target for angiogenesis and tissue remodeling research.