Human FGFR3 Protein, His Tag

Cat. No. PME101149

PRODUCT INFORMATION

Target	FGFR3
Synonyms	ACH;CD333;CEK2;HSFGFR3EX;JTK4
Description	Recombinant human FGFR3 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P22607
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	FGFR3(Glu23-Gly375) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 39.0 kDa after removal of the signal peptide. The apparent molecular mass of FGFR3-His is approximately 55-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia. [provided by RefSeq, Aug 2017]
Usage	Research use only
Conjugate	Unconjugated

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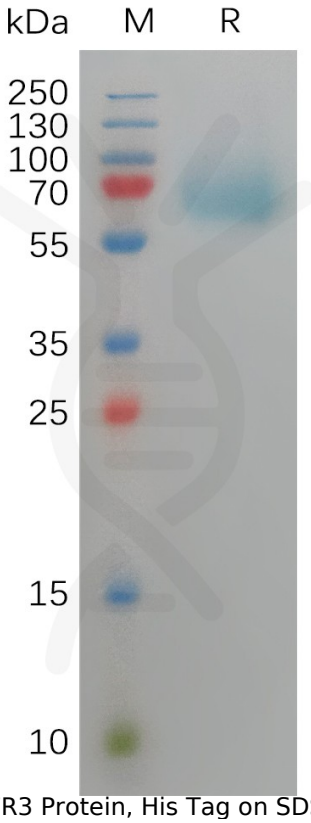


Figure 1. Human FGFR3 Protein, His Tag on SDS-PAGE under reducing condition.

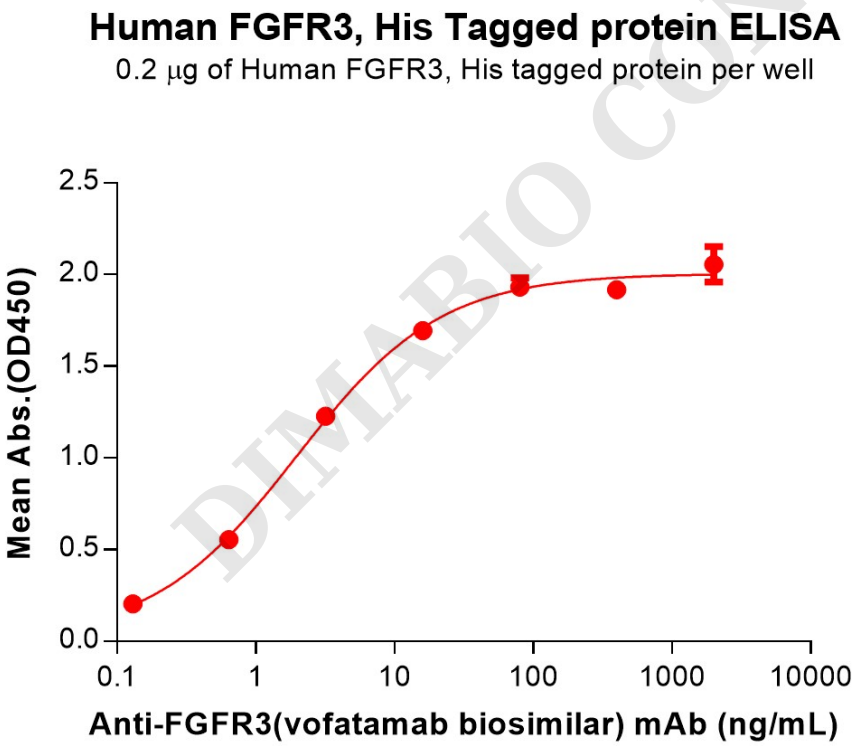


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human FGFR3 Protein, His Tag (PME101149) can bind Anti-FGFR3(vofatamab biosimilar) mAb (BME100220) in a linear range of 0.13–16 ng/mL.

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