Recombinant Human FGF-6 Protein

Catalog No.: RP01440

Sequence Information

Species
Human

Gene ID
2251

Swiss Prot
P10767

Tags
No tag

Synonyms
FGF6,HBGF-6,HST2

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
18.72 kDa

Observed MW
15-25 kDa

Endotoxin
Please contact us for more information.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

FGF6, also known as FGF-6, belongs to the fibroblast growth factor (FGF) family. Members of this family possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF6 plays an important role in the regulation of cell proliferation, cell differentiation, angiogenesis and myogenesis. It is also required for normal muscle regeneration. FGF6 gene displayed oncogenic transforming activity when transfected into mammalian cells.

Basic Information

Description
Recombinant Human FGF-6 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Gly41-Ile208) of human FGF6 (Accession #NP_066276.2) fused with no additional amino acid.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Human FGF6 Protein at 1 μg/mL (100 μL/well) can bind FGFR4 with a linear range of 1.95-97.8 ng/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

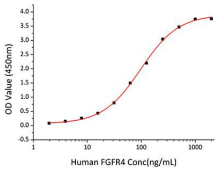
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

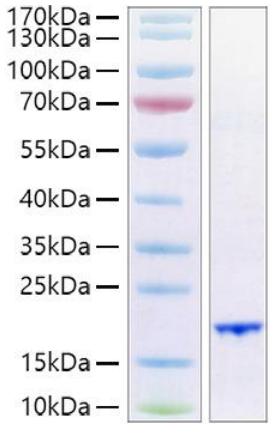
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Validation Data



Immobilized Recombinant Human FGF6 Protein at 1 μg/mL (100 μL/well) can bind FGFR4 with a linear range of 1.95-97.8 ng/mL.



Recombinant Human FGF-6 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.