Recombinant Human FGFR-1/FLT-2/CD331 Protein

Catalog No.: RP01151

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Sequence Information

Species
Human

Gene ID
2260

Swiss Prot
P11362-1

Tags
C-hFc&His

Synonyms
FGFR1,BFGFR,CD331,CEK,ECCL, FGFBR,FGFR-1,FLG,FLT-2,FLT2, HBGFR,HH2,HRTFDS,KAL2,N-SAM, OGD,bFGF-R-1

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
66.21 kDa

Observed MW
100-110 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

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

Basic Information

Description
Recombinant Human FGFR-1/FLT-2/CD331 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg22-Glu376) of human FGF R1/CD331 (Accession #NP_075598.2) fused with an Fc, 6×His tag at the C-terminus.

Activity
1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human FGF1 at 10 μg/mL (100 μL/well) can bind Recombinant Human FGFR1 with a linear range of 1.1-3.4 μg/mL.
2.Measured by its ability to inhibit FGF-acidic dependent proliferation of Balb /c 3T3 mouse fibroblasts. The ED_{50} for this effect is typically 0.605-2.42 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℃

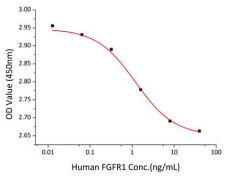
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

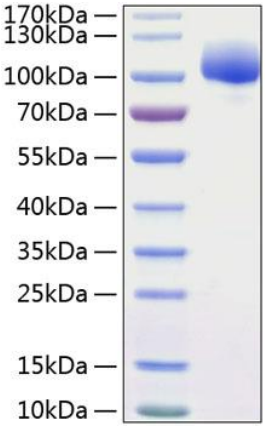
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Please visit http://abclonal.com for a complete listing of recommended products.

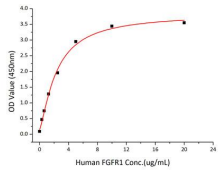
Validation Data



Recombinant Human FGFR1 inhibits FGF-acidic dependent proliferation of Balb/c 3T3 mouse fibroblasts. The ED_{50} for this effect is typically 0.605-2.42 ng/mL.



Recombinant Human FGFR-1/FLT-2/CD331 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant Human FGF1 at 10μg/mL (100 μL/well) can bind Recombinant Human FGFR1 with a linear range of 1.1-3.4 μg/mL.