ABclonal www.abclonal.com

Recombinant Human Frizzled-7/FZD7 Protein

Catalog No.: RP00204 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 8324 075084

Tags C-hFc&His

Synonyms FZD7:FzE3

Product Information

Source Purification HEK293 cells ≥ 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

43.49 kDa 55-70 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.

Contact

<u>a</u>		400-999-6126
\bowtie		cn.market@abclonal.com.cn
•	Т	www.abclonal.com.cn

Background

Frizzled-7 is a member of the Frizzled family of unconventional G-protein-coupled glycoprotein receptors for the Wnt signaling pathway. During development, Frizzled-7 is expressed during gastrulation and in the fetal gut, kidney and lung where it is thought to influence tissue morphogenesis via non-canonical signaling pathways . In the adult, Frizzled-7 is expressed in skeletal muscle, especially in satellite cells that mediate muscle regeneration in response to Wnt-7a. It is expressed in embryonic stem cells (ES), contributing to self-renewal signaling . Frizzled-7 expression may downregulate APC function and enhance beta-catenin-mediated signals in poorly differentiated human esophageal carcinomas.

Basic Information

Description

Recombinant Human Frizzled-7/FZD7 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln33-Leu185) of human Frizzled-7 (Accession #NP_003498.1) fused with an Fc, 6×His tag at the C-terminus.

Bio-Activity

1.Measured by its binding ability in a functional ELISA. Immobilized Human Glypican-3 Protein at 5 μ g/mL (100 μ L/well) can bind Human FZD7 with a linear range of 4.88-935.5 ng/mL.|2.Measured by its binding ability in a functional ELISA. Immobilized Human Glypican-3 Protein at 5 μ g/mL (100 μ L/well) can bind Human FZD7 with a linear range of 4.88-520.4 ng/mL.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

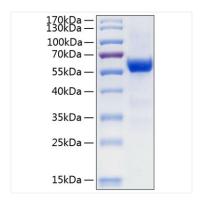
After reconstitution, the protein solution is stable at -20 $^{\circ}\text{C}$ for 3 months, at 2-8 $^{\circ}\text{C}$ for up to 1 week.

Avoid repeated freeze/thaw cycles.

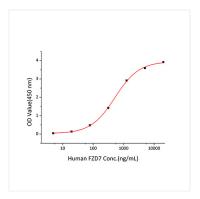
Operational Notes

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

Validation Data



Recombinant Human Frizzled-7/FZD7 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human Glypican-3 Protein at 5 μ g/mL (100 μ L/well) can bind Human FZD7 with a linear range of 4.88-520.4 ng/mL.