Recombinant Human Frizzled-7/FZD7 Protein

Catalog No.: RP00204

Sequence Information

Species
Human

Gene ID
8324

Swiss Prot
O75084

Tags
C-hFc&His

Synonyms
FZD7,FzE3

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
43.49 kDa

Observed MW
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.

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.

Activity
1.Measured by its binding ability in a functional ELISA. Immobilized Human Glypican-3 Protein at 5 μg/mL (100 μL/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 μg/mL (100 μL/well) can bind Human FZD7 with a linear range of 4.88-520.4 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℃

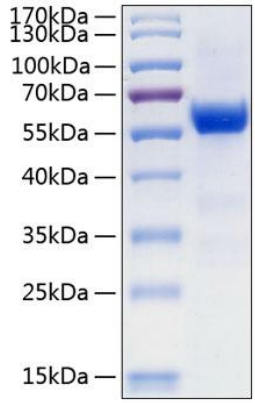
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

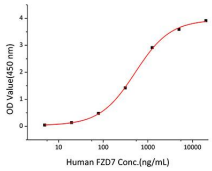
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

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 μg/mL (100 μL/well) can bind Human FZD7 with a linear range of 4.88-520.4 ng/mL.