Recombinant Human SFRP4 Protein

Catalog No.: RP03242

Sequence Information

Species
Human

Gene ID
6424

Swiss Prot
Q6FHJ7

Tags
C-His

Synonyms
secreted frizzled-related protein 4; SFRP4; FRPHE

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
39 kDa

Observed MW
55-60 kDa

Endotoxin
< 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

Soluble frizzled-related proteins (sFRPS) function as modulators of Wnt signaling through direct interaction with Wnts. They have a role in regulating cell growth and differentiation in specific cell types. SFRP4 plays a role in bone morphogenesis, and may also act as a regulator of adult uterine morphology and function. SFRP4 may also increase apoptosis during ovulation possibly through modulation of FZ1/FZ4/WNT4 signaling, and it has phosphaturic effects by specifically inhibiting sodium-dependent phosphate uptake.

Basic Information

Description
Recombinant Human SFRP4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Val346) of human SFRP4 (Accession #NP_003005.2) fused with His tag at the C-terminus.

Activity
Measured by its ability to inhibit Wnt3a-induced alkaline phosphatase production by C3H10T 1/2 2A6 mouse embryonal fibroblast cells. The ED_{50} for this effect is typically 1-6 μg/mL in the presence of 20 ng/mL of Wnt3a.

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℃

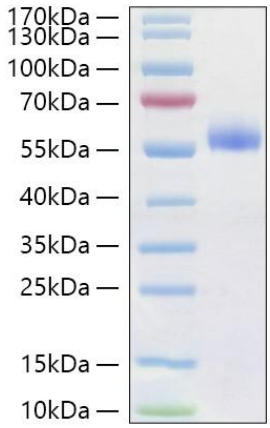
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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 SFRP4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.