sFRP4 Human HEK293

Product Data Sheet

Type: Recombinant
Source: HEK293
Species: Human
Other names: Secreted Frizzled-Related Protein 4

Cat. No.:
RD172132100 (0.1 mg)

Description

Total 341 AA, UniProt Q6FHJ7 (Val19-Val346). MW: 39.0 kDa (calculated), migrates at ~ 55 kDa on SDS PAGE; two N-terminal linkers (2 extra AA and 3 extra AA highlighted), N-terminal Flag-tag (8 extra AA). Protein identity confirmed by LC-MS/MS.

Introduction to the Molecule

sFRP-4 is a cystein-rich glycoprotein that belongs to the group of G protein-coupled receptor proteins. It is expressed in proliferative endometrium and several types of ovarian, endometrial and brest tumors. It is up-regulated in failing myocardium.

Research topic

Diabetology - Other Relevant Products

Amino Acid Sequence

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PGDYKDDDDK PAGVRGAPCE AVRIPMCRHM PWNITRMPNH LHHSTQENAI LAIEQYEELV DVNCSAVLRF FLCAMYAPIC
TLEFLHDPIK PCKSVCQRAR DDCEPLMKMY NHSWPESLAC DELPVYDRGV CISPEAIVTD LPEDVKWIDI TPDMMVQERP
LDVDCKRLSP DRCKCKKVKP TLATYLSKNY SYVIHAKIKA VQRSGCNEVT TVVDVKEIFK SSSPIPRTQV PLITNSSCQC
PHILPHQDVL IMCYEWRSRM MLLENCLVEK WRDQLSKRSI QWEERLQEQR RTVQDKKKTA GRTSRSNPPK PKGKPPAPKP
ASPKKNIKTR SAQKRTNPKR V
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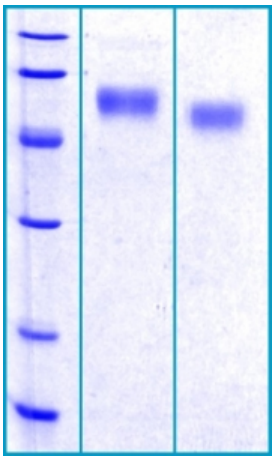
Source

HEK293

Purity

Purity as determined by densitometric image analysis: >95%

SDS-PAGE gel



12% SDS-PAGE separation of Human sFRP4

1. M.W. marker - 97, 66, 45, 31, 21, 14 kDa
2. reduced and boiled sample, 2.5µg / lane
3. non-reduced and non-boiled sample, 2.5µg / lane

Endotoxin

<0.1 EU/µg

Formulation

Filtered (0.4 µm) and lyophilized in 0.5 mg/mL in 0.05 M phosphate buffer, 0.075 M NaCl, pH 7.4

Reconstitution

Add 200ul of deionized water to prepare a working stock solution of 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store the lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

Quality Control Test

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
LAL TEST to determine quantity of the endotoxin.

Applications

Cell culture and/or animal studies, ELISA, Western blotting

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