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Datasheet for ABIN7275651

SFRP2 Protein (AA 25-295) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	SFRP2
Protein Characteristics:	AA 25-295
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SFRP2 protein is labelled with His tag.

Product Details

Purpose:	Human SFRP2 Protein
Sequence:	Leu25-Cys295
Characteristics:	Recombinant Human SFRP2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Leu25-Cys295.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	SFRP2
Alternative Name:	SFRP2 (SFRP2 Products)

Target Details

Background: As biomarkers, DNA methylation is used to detect colorectal cancer (CRC) and make assessment of CRC prognosis. The published findings showed the association between the methylation of SFRP1, SFRP2, and WIF1, located in the Wnt signaling pathway, and the prognosis of CRC were not consistent. SFRP1, SFRP2, and WIF1 were frequently hypermethylated in CRC tumor tissues. It was apparent that the promoter hypermethylation of SFRP2 and co-hypermethylation of SFRP1 and SFRP2 might be considered as independent prognostic predictors for survival advantage of postoperative CRC patients.

Molecular Weight: 32.4 kDa. Due to glycosylation, the protein migrates to 34-38 kDa based on Tris-Bis PAGE result.

UniProt: [Q96HF1](#)

Pathways: [WNT Signaling](#), [Tube Formation](#), [Positive Regulation of Endopeptidase Activity](#), [Negative Regulation of intrinsic apoptotic Signaling](#), [Positive Regulation of fat Cell Differentiation](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

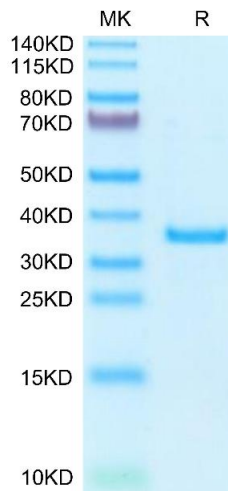
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in 20 mM PBS, 100 mM L-arginine (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

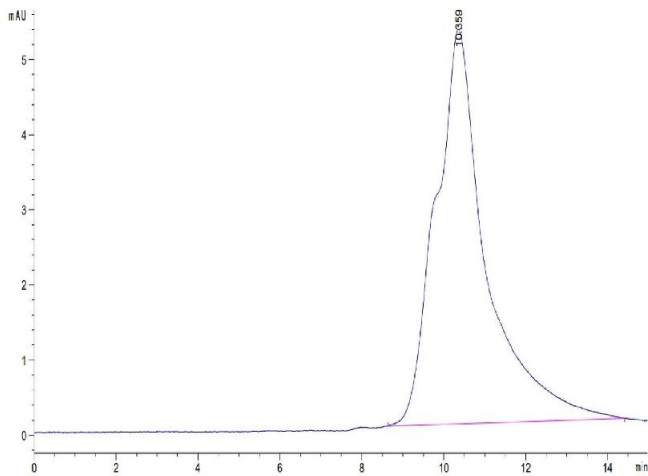
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,-2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human SFRP2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human SFRP2 is greater than 95 % as determined by SEC-HPLC.