Datasheet for ABIN7520592

TNFRSF12A Protein (Fc Tag,His tag)

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Overview

Quantity:	100 µg
Target:	TNFRSF12A
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFRSF12A protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human TNFRSF12A/TWEAKR/CD266 Protein
Sequence:	EQAPGTAPCS RGSSWSADLD KCMDCASCRA RPHSDFCLGC AAAPPAPFRL LW
Specificity:	Glu28-Trp79
Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	1.Measured by its ability to inhibit TWEAK-induced apoptosis in HT-29 human colon adenocarcinoma cells. The ED_{50} for this effect is 2-12 µg/mL in the presence of 1 µg/mL recombinant human TWEAK.|2.Measured by its binding ability in a functional ELISA. Immobilized Human TNFSF12 at 2 µg/mL (100 µL/well) can bind Human TNFRSF12A with a linear range of 0.1-2.3 ng/mL.|3.Measured by its ability to inhibit the TWEAK-dependent proliferation of HUVEC human umbilical vein endothelial cells. The ED_{50} for this effect is 20-80

Product Details

	ng/mL in the presence of 15 ng/mL recombinant human TWEAK.

Target Details

Target:	TNFRSF12A
Alternative Name:	TNFRSF12A/TWEAKR/CD266 (TNFRSF12A Products)
Background:	Description: Fn14 (tumor necrosis factor receptor superfamily, member 12A), also known as TNFRSF12A, is the receptor for TNFSF12/TWEAK. Human and mouse TNFRSF12A share 82 % aa sequence identity. TNFRSF12A transcript was expressed at high levels in heart, placenta, and kidney, at intermediate levels in lung, skeletal muscle, and pancreas, and at low levels in brain and liver. In addition, elevated TNFRSF12A expression was found in human liver cancer cell lines and hepatocellular carcinoma specimens. TNFRSF12A is the weak inducer of apoptosis in some cell types. It promotes angiogenesis and the proliferation of endothelial cells. TNFRSF12A may modulate cellular adhesion to matrix proteins. Name: CD266, FN14, TWEAKR,TNFRSF12A,FN14,TWEAKR
Gene ID:	51330
UniProt:	Q9NP84
Pathways:	Apoptosis, Regulation of Cell Size

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex 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.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1

week.