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32-1811: TNFSF12 Recombinant Protein

Alternative Name :	TWEAK,TNF-related weak inducer of apoptosis,TNFSF12,DR3LG,Apo3-Ligand,APO3L,TNFRSF12A,Tumor necrosis factor ligand superfamily member 12,MGC20669,MGC129581.

Description

Source : HEK293. The TWEAK Human Recombinant is manufactured with N-terminal fusion of 13 amino acid FLAG Tag. The TNFSF12 Flag -Tagged Fusion Protein has a Mw of 18.7kDa containing a total of 169 amino acid residues. TNFSF12 is a cytokine that is part of the TNF ligand family. TNFSF12 is a ligand for the FN14/TWEAKR receptor. TNFSF12 has overlapping signaling functions with TNF, but displays a much wider tissue distribution. TNFSF12 induces apoptosis through multiple pathways of cell death in a cell type-specific manner. TNFSF12 promotes proliferation and migration of endothelial cells, and therefore acts as a regulator of angiogenesis. TNFSF12 is expressed in adult heart, pancreas, skeletal muscle, small intestine, spleen and peripheral blood lymphocytes. TWEAK h induces NFkB and chemokine secretion. TNFSF12 exerts an apoptotic activity in HT-29 human adenocarcinoma cells whilst cultured in the presence of IFN-. TNFSF12 promotes proliferation and migration of endothelial cells.

Product Info

Amount :	25 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	Filtered and lyophilized from 0.5mg/ml in 20mM Tris buffer and 50mM NaCl pH-7.5.
Storage condition :	Store lyophilized TWEAK Human recombinant at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Amino Acid :	HVDYKDDDDK PAGSAPKGRK TRARRAIAAH YEVHPRPGQD GAQAGVDGTV SGWEEARINS SSPLRYNRQI GEFIVTRAGL YYLYCQVHFD EGKAVYLKLD LLVDGVLALR CLEEFSATAA SSLGPQLRLC QVSGLLALRP GSSLRIRTLP WAHLKAAPFL TYFGLFQVH.

Application Note

Add pyrogen free water to a working concentration of 0.5mg/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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.