Recombinant Human TNFRSF12A Protein, Flag-tagged

Cat. No. TNFRSF12A-2125H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Human
Source	HEK293
Description	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-α. TNFSF12 promotes proliferation and migration of endothelial cells.
Purity	≥90% (SDS-PAGE).
Formulation	Filtered and lyophilized from 0.5mg/ml in 20mM Tris buffer and 50mM NaCl pH-7.5.
Solubility	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

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	appropriate sterile filter before using it in the cell culture.
Amino Acid Sequence	HVDYKDDDDK PAGSAPKGRK TRARRAIAAH YEVHPRPGQD GAQAGVDGTV SGWEEARINS SSPLRYNRQI GEFIVTRAGL YYLYCQVHFD EGKAVYLKLD LLVDGVLALR CLEEFSATAA SSLGPQLRLC QVSGLLALRP GSSLRIRTLP WAHLKAAPFL TYFGLFQVH.
Applications	Western blotting.
Stability	Stable for at least six months after receipt when stored at -20°C.

GENE INFORMATION

Gene Name	TNFRSF12A tumor necrosis factor receptor superfamily, member 12A [Homo sapiens]
Synonyms	TNFRSF12A; tumor necrosis factor receptor superfamily, member 12; FN14; CD266; TWEAKR; type I transmembrane protein Fn14; FGF-inducible 14; Fibroblast growth factor-inducible immediate-early response protein 14
Gene ID	51330
mRNA Refseq	NM_016639
Protein Refseq	NP_057723
MIM	605914
UniProt ID	Q9NP84
Chromosome Location	16p13.3

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Pathway	Cytokine-cytokine receptor interaction
Function	protein binding; receptor activity

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