

Active Recombinant Human TNFSF12

Cat. No. TNFSF12-8461H Lot. No. (See product label)

SPECIFICATION

Product Overview	The recombinant human TWEAK is a 17.0 kDa protein, comprising the TNF-like extraCellular domain of TWEAK and was expressed in E. coli
Species	Human
Source	E.coli
Description	Human TWEAK is a new secreted ligand in the tumor necrosis factor family that weakly induces apoptosis. TWEAK, like many other members of the TNF family, is able to induce interleukin-8 synthesis in a number of cell lines.
Form	Sterile filtered and lyophilized from 10 mM Sodium Phosphate, pH 7.5 + 0.1 M L-Arg.
Bio-activity	The ED ₅₀ as determined by the dose-dependent stimulation of IL-8 production by human PBMC is less than 10 ng/ml.
Molecular Mass	17.0 kDa
Endotoxin	<0.1>
Purity	≥98% by SDS - PAGE; ≥98% by HPLC
Storage	The lyophilized human TWEAK is best-stored desiccated below 0°C. Reconstituted TWEAK should be stored in working aliquots at -20°C.

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Reconstitution Reconstitute in 10 mM Sodium Phosphate (pH 7.5) to a concentration of 1 mg/ml. This solution can then be diluted into other aqueous buffers

Shipping Blue ice

GENE INFORMATION

Gene Name TNFSF12 tumor necrosis factor (ligand) superfamily, member 12 [Homo sapiens]

Official Symbol TNFSF12?

Synonyms TNFSF12; tumor necrosis factor (ligand) superfamily, member 12; tumor necrosis factor ligand superfamily member 12; APO3L; DR3LG; TWEAK; APO3 ligand; APO3/DR3 ligand; TNF-related WEAK inducer of apoptosis; MGC20669; MGC129581;

Gene ID 8742

mRNA Refseq NM_003809

Protein Refseq NP_003800

MIM 602695

UniProt ID O43508

Chromosome Location 17p13.1

Pathway Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Gene Expression, organism-

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specific biosystem; Regulation of mRNA Stability by Proteins that Bind AU-rich Elements, organism-specific biosystem; Stabilization of mRNA by HuR, organism-specific biosystem;

Function

cytokine activity; cytokine activity; protein binding; receptor binding; tumor necrosis factor receptor binding;

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