

Active Recombinant Human TWEAK, FLAG-tagged

Cat. No. TNFSF12-70H Lot. No. (See product label)

SPECIFICATION

Product Overview	Produced in E. coli. The extracellular domain of human TWEAK (aa 106-249) is fused at the N-terminus to a linker peptide (11 aa) and a FLAG [®] -tag.
Species	Human
Source	E.coli
ProteinLength	106-249 a.a.
Form	Lyophilized. Contains PBS.
Bio-activity	Kills TWEAK sensitive cells. Has a pro-apoptotic effect on several target cell lines and induces angiogenesis and proliferation in endothelial cells. Binds to human and mouse Fn14(TWEAKR).
Molecular Mass	~18-20 kDa as determined by SDS-PAGE.
Purity	>95% as determined by SDS-PAGE. Endotoxin:<0.1 eu/μg="" of="" purified="" protein="" (lal="">test).
Usage	For in vitro research use only. Not for use in diagnostics or in humans.
Storage	Store lyophilized protein at at -20°C. After reconstitution, aliquot and store at -20°C.
Reconstitution	Reconstitute in 100 μL sterile water for a 0.1 mg/mL solution. Further dilutions should

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be made with medium containing 5% fetal calf serum.

Warning

No warranties, expressed or implied, are made regarding the use of this product. Creative Biomart is not liable for any damage, personal injury, or economic loss caused by this product.

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-

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cytokine receptor interaction, conserved biosystem; Gene Expression, organism-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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