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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