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# **TWEAK Protein (AA 99-249)**



## Overview

Quantity:	50 μg
Target:	TWEAK (TNFSF12)
Protein Characteristics:	AA 99-249
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

#### **Product Details**

Characteristics:	ED50 < 1 ng/mL, measured in a cell cytotoxicity assay using HTB-38 (HT-29) cells.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

### **Target Details**

Target:	TWEAK (TNFSF12)
Alternative Name:	TWEAK (TNFSF12 Products)
Background:	TWEAK, short for TNF-related weak inducer of apoptosis, is also known as TNFSF12 and
	DR3LG. It is a type II transmembrane protein belonging to the TNF superfamily. It is expressed
	widely in many tissues, such as the heart, skeletal muscle, spleen and peripheral blood. Binding
	of TWEAK to its receptor TWEAKR induces NF-kappaB activation, chemokine secretion and
	apoptosis in certain cell types. TWEAK has also been reported to promote endothelial cell

#### **Target Details**

Expiry Date:

6 months

Target Details	
	proliferation and migration, thus serving as a regulator of angiogenesis.  Synonyms: TNF-related weak inducer of apoptosis, TNFSF12, DR3LG, Apo3-Ligand
Molecular Weight:	20-22 kDa, observed by reducing SDS-PAGE.
UniProt:	Q4ACW9
Pathways:	Apoptosis
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 μg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant Human TWEAK remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human TWEAK should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.