

## Overview

<b>Synonyms</b>	TNF-related weak inducer of apoptosis, TNFSF12, DR3LG, Apo3-Ligand
<b>Description</b>	<b>TWEAK</b> , 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- $\kappa$ B activation, chemokine secretion and apoptosis in certain cell types. TWEAK has also been reported to promote endothelial cell proliferation and migration, thus serving as a regulator of angiogenesis.
<b>Accession No</b>	Q4ACW9
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Biological Activity</b>	ED <sub>50</sub> < 1 ng/ml, measured in a cell cytotoxicity assay using HTB-38 (HT-29) cells.
<b>Sequence</b>	<p>RKTRARRAIA AHYEVHPRPG QDGAQAGVDG TVSGWEEARI</p> <p>NSSSPLRYNR QIGEFIVTRA GLYYLYCQVH FDEGKAVYLK</p> <p>LDLLVDGVLA LRCLEEF SAT AASSLGPQLR LCQVSGLLAL</p> <p>RPGSSLRIRT LPWAHLKAAP FLTYFGLFQV H</p>

## Properties

<b>Measured Molecular Weight</b>	20-22 kDa, observed by reducing SDS-PAGE.
<b>Purity</b>	> 95% as analyzed by SDS-PAGE and HPLC.
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 µg/ml.
<b>Endotoxin Level</b>	< 0.2 EU/µg, determined by LAL method.
<b>Storage</b>	Lyophilized recombinant <b>Human TWEAK</b> remains stable up to 6 months at lower than -70°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.
<b>Note</b>	For research use only

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