Active Recombinant Human TNFSF12 Protein

Cat. No. TNFSF12-200T **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF12 Protein without tag was expressed in CHO.
Species	Human
Source	CHO
Description	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-κB 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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 1 ng/mL, measured in a cell cytotoxicity assay using HTB-38 (HT-29) cells.
Molecular Mass	20-22 kDa, observed by reducing SDS-PAGE.
AA Sequence	RKTRARRAIAAHYEVHPRPGQDGAQAGVDGTVSGWEEARINSSSPLRYNRQIGEFI VTRAGLYYLYCQVHFDEGKAVYLKLDLLVDGVLALRCLEEFSATAASSLGPQLRLCQ VSGLLALRPGSSLRIRTLPWAHLKAAPFLTYFGLFQVH
Endotoxin	< 0.2 EU/μg, determined by LAL method.

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Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Storage	Lyophilized recombinant Human TWEAK remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human TWEAK should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH2O or PBS at 100 µg/mL.

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

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