# Tumor Necrosis Factor Ligand Superfamily Member 12 Human HEK293

## Product Data Sheet

**Type:** Recombinant
**Source:** HEK293
**Species:** Human
**Other names:** APO3 ligand; TNF-related weak inducer of apoptosis; TWEAK; TNFSF12; APO3L, DR3LG

**Cat. No.:**
RD172148025 (0.025 mg)

## Description

Total 166 AA. MW: 18.4 kDa (calculated). UniProtKB acc. No. O43508 (Ser94-His249). N-terminal linker (2 extra AA), C-terminal linker (2 extra AA) and C-terminal His-tag (6 extra AA). Protein identity confirmed by LC-MS/MS.

## Amino Acid Sequence

**AS**SAPKGRKT RARRAIAAHY EVHPRPGQDG AQAGVDGTVS GWEEARINSS SPLRYNRQIG EFIVTRAGLY YLYCQVHFDE GKAVYLKLDL LVDGVLALRC LEEFSATAAS SLGPQLRLCQ VSGLLALRPG SSLRIRTLPW AHLKAAPFLT YFGLFQVH**KL HHHHHH**

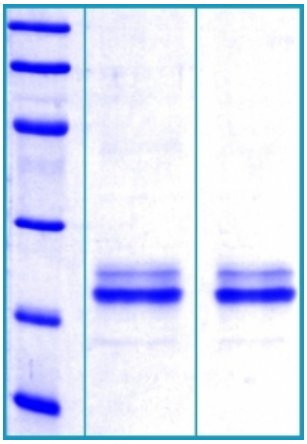
## Source

HEK293

## Purity

Purity as determined by densitometric image analysis: >95%

## SDS-PAGE gel



12 % SDS-PAGE separation of Human TWEAK:

1. MW marker - 14, 21, 31, 45, 66, 97 kDa

2. Reduced and boiled sample, 2.5 µg/lane

3. Non-reduced and non-boiled sample, 2.5 µg/lane

## Endotoxin

< 1.0 EU/ug

## Formulation

Filtered (0.4 µm) and lyophilized in 0.05 M phosphate buffer, 0.075 M NaCl, pH 7.4

## Reconstitution

Add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

## Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

## Storage, Stability/Shelf Life

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot

reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

## Quality Control Test

BCA to determine quantity of the protein.
SDS-PAGE to determine purity of the protein.
LAL TEST to determine endotoxin level.

## Applications

ELISA, Western blotting

## Note

This product is intended for research use only.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