

Human TWEAK, His Tag, E. coli

Catalog Number LDG123PHE

Package 5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Affinity Tag

His Tag (C-term)

Purity

>98% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to induce proliferation in HUVEC cells. The ED₅₀ for this effect is <6 ng/mL.

Form

Lyophilized

Expression System

Escherichia coli

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.

Molecular weight

The protein has a calculated MW of 17.88 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

Background

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Background

TNF-related weak inducer of apoptosis (TWEAK) is a type II membrane protein of the tumor necrosis factor (TNF) family members, high levels expression in human brain, muscle, heart, spleen, and thymus. TWEAK is a 17.3 kDa protein containing 129 residues. TWEAK induce apoptosis through cognate receptor Fn14 activate caspase-8 and caspase-3, in HSC3 cells KATO-III gastric adenocarcinoma cells and IFN- γ -treated HT-29. TWEAK stimulate inflammatory cytokines in HT-29, A375 cells, WI-38 fibroblast and astrocytes.

Uniprot ID

#O43508

Synonyms

TNF-Related Weak Inducer of Apoptosis, TWEAK, APO3 ligand, Tumor necrosis factor ligand superfamily member 12, TNFL12

Sequence Note

Lys56-His249

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

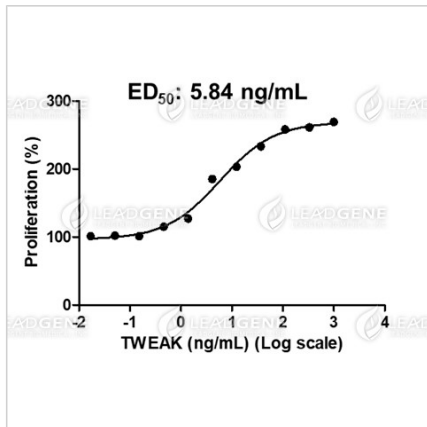
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

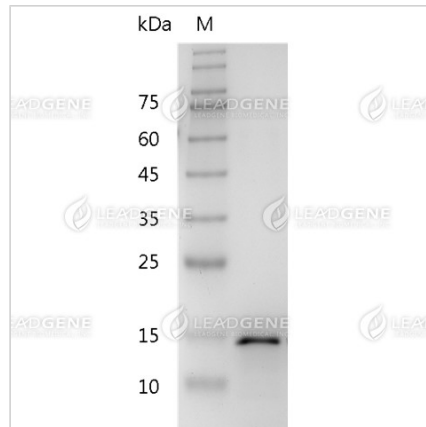
Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image



Human TWEAK, His Tag, E. coli (LDG123PHE) induced HUVEC cell proliferation, with the ED50 at 5.84 ng/mL.



SDS-PAGE analysis of recombinant human TWEAK.

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