

Mouse TRAIL, His Tag, E. coli

Catalog Number	LDG081PME
Package	5 µg / 20 µg / 100 µg / Customized package

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



Specifications

Species of Origin

Mouse

Affinity Tag

His Tag (C-term)

Purity

>98% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED₅₀ for this effect is <1 ng/mL.

Form

Lyophilized

Expression system

Escherichia coli

Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Molecular weight

The protein has a calculated MW of 21.00 kDa. The protein migrates as 17-25 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

Tumor Necrosis Factor associated Apoptosis Inducing Ligand (TRAIL) is a type II membrane protein of the tumor necrosis factor (TNF) family members, moreover expressed in many adult tissues including the thymus, prostate, colon, ovary and lung. TRAIL is a 19 kDa protein containing 281 residues. Mouse TRAIL shares 70% amino acids sequence identity with human, bovine, and porcine. TRAIL to induce apoptosis in human breast carcinoma cells (MCF7) and human epithelioid carcinoma (HeLa) cell lines, by activate two death receptors of DR4 and DR5 or two decoy receptors DcR1 and DcR2.

Uniprot ID

#P50592

Synonyms

Tumor necrosis factor ligand superfamily member 10, TNF-related apoptosis-inducing ligand, Protein TRAIL

Sequence Note

Pro118-Asn291

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration of 200 µg/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

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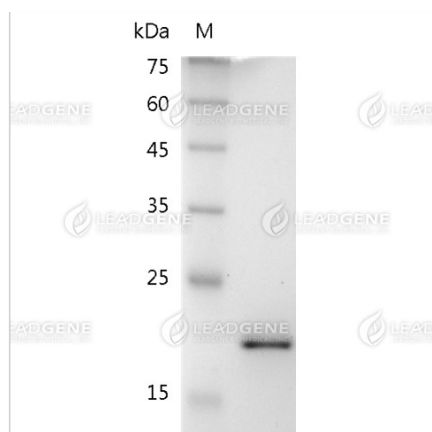
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SDS-PAGE analysis of recombinant mouse TRAIL.

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