

Human DR5, His Tag, E. coli

Catalog Number	LDG190PHE
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

>95% as determined by SDS-PAGE analysis.

Endotoxin Level

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

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 15.2 kDa.

Form

Lyophilized

Background

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Background

DR5 (Death Receptor 5), also known as CD262 or TRAIL-R2 (Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand Receptor 2), is a cell surface receptor belonging to the tumor necrosis factor receptor superfamily. It plays a crucial role in apoptosis, or programmed cell death, by binding to its ligand, TRAIL (Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand). Upon ligand binding, CD262 triggers apoptotic signaling cascades within the cell, leading to cell death. CD262-mediated apoptosis is an important mechanism for regulating cell proliferation and maintaining tissue homeostasis. Additionally, CD262 activation has been explored for its therapeutic potential in cancer treatment, as it selectively induces apoptosis in cancer cells while sparing normal cells. Understanding the function and regulation of CD262 is essential for developing targeted therapies for cancer and other diseases.

Sequence Note

Met1-Glu182

Synonyms

Death receptor 5, TNF-related apoptosis-inducing ligand receptor 2 (TRAIL receptor 2; TRAIL-R2), CD262

Instruction

Reconstitution

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

Shipping

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

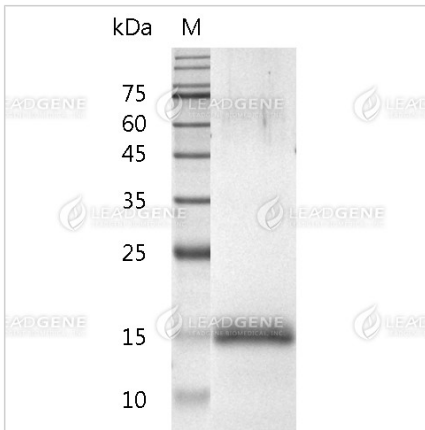
Stability & Storage

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.

Image



SDS-PAGE analysis of recombinant human DR5.

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