

Mouse Glucocorticoid Receptor, His Tag, E. coli

Catalog Number LDG097PME

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 (N-term)

Purity

>85% 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 7.4

Molecular weight

The protein has a calculated MW of 30.6 kDa. The protein migrates as 25-27 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

Background

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Background

The Glucocorticoid Receptor (GR) is a nuclear receptor protein that functions as a transcription factor. It is activated by binding to glucocorticoid hormones, such as cortisol. Upon activation, the GR translocates to the nucleus, where it regulates the expression of target genes involved in various physiological processes, including metabolism, immune response, inflammation, and stress adaptation.

Dysregulation of the Glucocorticoid Receptor signaling pathway is associated with numerous diseases, including metabolic disorders, immune disorders, and psychiatric conditions.

Understanding the molecular mechanisms underlying the Glucocorticoid Receptor's function is crucial for developing targeted therapies to modulate its activity and treat associated diseases.

Uniprot ID

P06537

Synonyms

Nr3c1, Nuclear receptor subfamily 3 group C member 1, Grl, Grl1

Sequence Note

Val536-Lys792

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

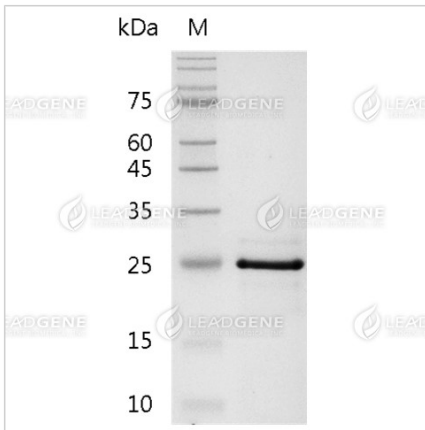
Stability & Storage

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 mouse glucocorticoid receptor protein.

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