Mouse Activin B, His Tag, E. coli

Catalog Number	LDG083PME
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

Expression System

Escherichia coli

Affinity Tag

His Tag (C-term)

Storage Buffer

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

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 13.71 kDa. The protein migrates about 12 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce hemoglobin expression in K562 cells. The ED_{50} for this effect is <1 ng/mL.

Endotoxin Level

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

Form

Lyophilized

Background

Background

Activin B is the cytokine of the TGF beta family, which is a 12.9 kDa protein containing 116 amino acid residues. Activin B has the wide variety of biological function including stem cell differentiation, inflammation, bone remodeling and neural development. It also has a role in regulation of FSH secretion. Activin B induces the phosphorylation of Smad which binds the smad binding element.

Synonyms

Inhibin beta B chain, Activin beta-B chain

Uniprot ID

#Q04999

Sequence Note

Gly297-Ala411

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O 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.
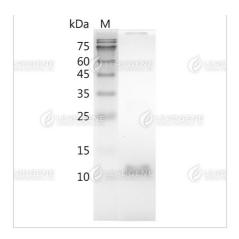
Stability & Storage

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

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SDS-PAGE analysis of
recombinant mouse Activin B.

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