Mouse Vimentin, His Tag, E. coli

Catalog Number	LDG094PME
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 (N-term)

Storage Buffer

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

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 54.5 kDa. The protein migrates as 50-55 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin Level

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

Form

Lyophilized

Background

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Background

Vimentin is an intermediate filament protein found in the cytoskeleton of eukaryotic cells, particularly abundant in mesenchymal cells. As a structural protein, vimentin provides mechanical support and stability to cells, contributing to their shape and motility. It plays a key role in various cellular processes, including cell adhesion, migration, and signaling. Additionally, vimentin is involved in regulating organelle positioning and maintaining cell integrity during stress and mechanical strain. Its expression is often associated with epithelial-to-mesenchymal transition (EMT) and is implicated in cancer metastasis and tissue remodeling. Understanding vimentin's functions and regulation is essential for elucidating its roles in both normal physiology and disease pathology.

Synonyms

Vim

Uniprot ID

P20152

Sequence Note

Met1-Glu466

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.

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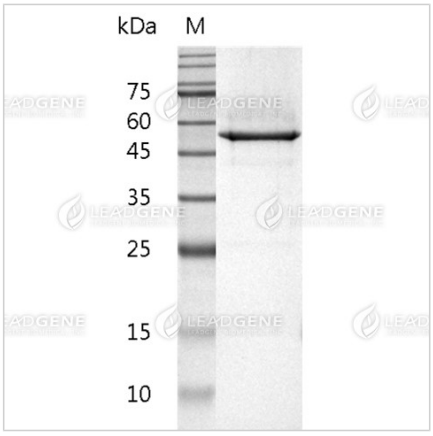
Stability & Storage

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 vimentin protein.

Disclaimer : For Research Use or Further Manufacturing Only.

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