

Human BMP-6, His Tag, E. coli

Catalog Number	LDG103PHE
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

>98% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to induce alkaline phosphatase production by ATDC5 cells. The ED₅₀ for this effect is <87 ng/mL.

Form

Lyophilized

Expression system

Escherichia coli

Buffer

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

Molecular weight

The protein has a calculated MW of 14.07 kDa. The protein migrates as 13 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

Bone Morphogenetic Protein-6 (BMP-6) is an extracellular multifunctional cytokine that is also a member of the TGF- β family. BMP-6 can bind with the TGF- β receptor and triggers SMAD protein signal transduction. It can keep joint integrity and stability in adults and plays a vital role in regulating hepcidin to maintain iron ions in the body.

Uniprot ID

#P22004

Synonyms

VG-1-related protein, VG-1-R, VGR-1, Bone morphogenetic protein 6

Sequence Note

Val397-His513

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in 4 mM HCl to a concentration of 200 μ g/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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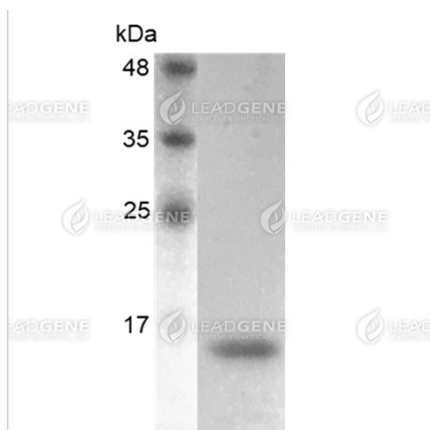
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SDS-PAGE analysis of recombinant human BMP-6.

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