

Human IL-32 Alpha, His Tag, E. coli

Catalog Number	LDG036PHE
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 TNF alpha secretion in RAW264.7 cells. The ED₅₀ for this effect is <10 µg/mL.

Form

Lyophilized

Expression system

Escherichia coli

Buffer

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

Molecular weight

The protein has a calculated MW of 15.72 kDa. The protein migrates as 18 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

Interleukin 32 alpha (IL-32 α) is an 18 kDa cytokine with 131 amino acid residues and one of the IL-2 splice variants. IL-32 α is primarily secreted from inflammatory cells, such as NK cells, T-cells, peripheral blood mononuclear cells (PBMCs), and monocytes. IL-32 alpha is a proinflammatory cytokine regulating IL-6 by interaction with protein kinase C(PKC). It also interacts with paxillin, integrin, and focal adhesion kinase 1 (FAK 1).

Uniprot ID

P24001-4

Synonyms

Natural killer cells protein 4, Tumor necrosis factor alpha-inducing factor, Interleukin-31

Sequence Note

Met1-Lys131

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O 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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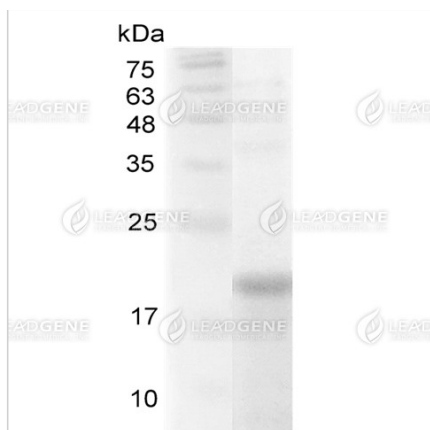
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SDS-PAGE analysis of recombinant human IL-32 Alpha.

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