

Human IL-29, His Tag, E. coli

Catalog Number LDG033PHE

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 IL-8 secretion in HuH7 cells. The ED₅₀ for this effect is <6 ng/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 20.70 kDa. The protein migrates as 22 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 29 (IL-29) is a cytokine, predicts a molecular mass of 21.9 kDa. It belongs to type III interferons group, also termed interferons λ (IFN- λ). Its induction of STAT3-STAT5 has also been displayed, albeit to a lesser degree. The STAT1/STAT2 signaling cascade transpires as follows: once tyrosine residues on STAT1 and STAT2 are phosphorylated, these proteins dimerize and are subsequently transported to the nucleus.

Uniprot ID

#Q8IU54

Synonyms

IFN-lambda-1, Cytokine Zcyto21, Interleukin-29, IL-29

Sequence Note

Pro23-Thr200

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 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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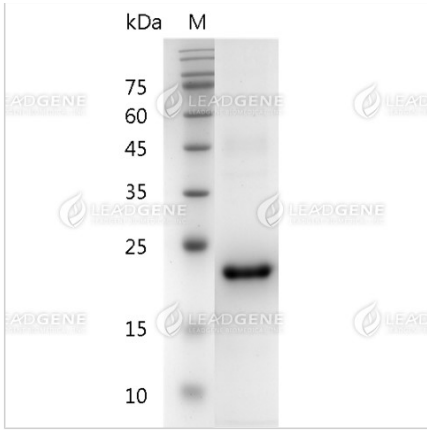
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SDS-PAGE analysis of
recombinant human IL-29.

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