

Active Recombinant Human IL29 Protein (Pro23-Thr200), C-His tagged, Animal-free, Carrier-free

Cat. No. IL29-131H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL29 Protein (Pro23-Thr200) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Pro23-Thr200
Description	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.
Form	Lyophilized
Bio-activity	Measure by its ability to induce IL-8 secretion in HuH7 cells. The ED50 for this effect is < 6 ng/mL.
Molecular Mass	The protein has a calculated MW of 20.70 kDa. The protein migrates as 22 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O 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 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	IL29 interleukin 29 (interferon, lambda 1) [Homo sapiens (human)]
Official Symbol	IL29
Synonyms	IL29; interleukin 29 (interferon, lambda 1); interleukin 29; interleukin-29; IFNL1; IL 29; IFN-lambda-1; cytokine Zcyto21; interferon lambda-1; interferon-lambda-1; interferon, lambda 1; IL-29;
Gene ID	282618
mRNA Refseq	NM_172140

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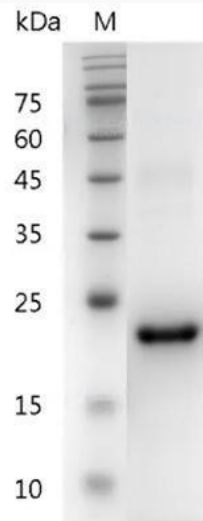
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Protein Refseq NP_742152

MIM 607403

UniProt ID Q8IU54

**SDS-PAGE analysis
of recombinant
human IL-29.**



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