# Human IL-29/IFN-lambda 1, Tag Free Protein

## HA210970

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| **Product name:** | Human IL-29/IFN-lambda 1, Tag Free |
| **Species reactivity:** | Human |
| **Bio-Activity:** | Testing in progress. |
| **Protein construction description:** | A DNA sequence encoding the human IL-29/IFN-lambda 1 protein (Q8IU54) (Gly 20-Thr 200) was expressed with tag free. |

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| **Background:** | Cytokine with antiviral, antitumour and immunomodulatory activities. Plays a critical role in the antiviral host defense, predominantly in the epithelial tissues. Acts as a ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IFNLR1, and receptor engagement leads to the activation of the JAK/STAT signaling pathway resulting in the expression of IFN-stimulated genes (ISG), which mediate the antiviral state. Has a restricted receptor distribution and therefore restricted targets: is primarily active in epithelial cells and this cell type-selective action is because of the epithelial cell-specific expression of its receptor IFNLR1. Exerts an immunomodulatory effect by up-regulating MHC class I antigen expression. |
| **Purity:** | >95% as determined by SDS-PAGE. |
| **Endotoxin:** | Less than 1.0 EU per μg by the LAL method. |
| **Fragment region:** | IL-29/IFN-lambda 1 (20-200) |
| **Source:** | HEK293 |
| **Accession:** | Q8IU54 |
| **Predicted molecular mass:** | 20.4 kD |
| **Formulation:** | Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol. |
| **Reconstitution:** | Reconstitute at 250 μg/ml in sterile water. |
| **Storage:** | Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20℃ to -80℃ It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## Images

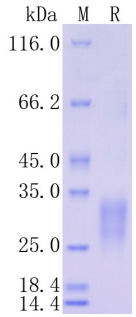


**Fig1:** Protein on SDS-PAGE under reducing (R) condition.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".