

## Active Recombinant Human IL27, HlgG1 Fc-tagged

**Cat. No.** IL27-123H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	The human IL-27 complex composed of the Ebi3 subunit(NP_005746.2) (Arg21-Lys229) and the p28 subunit(NP_663634.2)(Val26-Pro243) is fused through a polypeptide linker to the Fc region of human IgG1 was expressed in CHO cell.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	21-229 a.a.
<b>Description</b>	The protein encoded by this gene is one of the subunits of a heterodimeric cytokine complex. This protein is related to interleukin 12A (IL12A). It interacts with Epstein-Barr virus induced gene 3 (EBI3), a protein similar to interleukin 12B (IL12B), and forms a complex that has been shown to drive rapid expansion of naive but not memory CD4(+) T cells. The complex is also found to synergize strongly with interleukin 12 to trigger interferon gamma (IFNG) production of naive CD4(+) T cells. The biological effects of this cytokine are mediated by the class I cytokine receptor (WSX1/TCRR).
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Bioactivity was measured in a cell proliferation assay using anti-CD3 activated human peripheral mononuclear cells.
<b>Molecular Mass</b>	78 KDa (monomer)

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<b>AA Sequence</b>	The human IL-27 complex composed of the Ebi3 subunit(NP_005746.2) (Arg21-Lys29) and the p28 subunit(NP_663634.2)(Val26-Pro243) is fused through a polypeptide linker to the Fc region of human IgG1.
<b>Endotoxin</b>	<0.06 eu/µg="" as="" determined="" by="" lal="" test="">
<b>Purity</b>	>98%, by SDS-PAGE under reducing conditions.
<b>Stability</b>	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
<b>Reconstitution</b>	Reconstitute at 100µg/ml in sterile PBS.
<b>Warning</b>	Avoid freeze/thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">IL27 interleukin 27 [ Homo sapiens ]</a>
<b>Official Symbol</b>	IL27
<b>Synonyms</b>	IL27; interleukin 27;
<b>Gene ID</b>	<a href="#">144841</a>

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