Active Recombinant Human IL27, HIgG1 Fc-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	CHO
ProteinLength	21-229 a.a.
Description	The protein encoded by this gene is one of the subunits of a heterodimeric cytokine complex. This protein isrelated to interleukin 12A (IL12A). It interacts with Epstein-Barr virus induced gene 3 (EBI3), a protein similarto interleukin 12B (IL12B), and forms a complex that has been shown to drive rapid expansion of naive but notmemory CD4(+) T cells. The complex is also found to synergize strongly with interleukin 12 to trigger interferongamma (IFNG) production of naive CD4(+) T cells. The biological effects of this cytokine are mediated by theclass I cytokine receptor (WSX1/TCRR).
Form	Lyophilized from 0.2μm-filtered solution in PBS.
Bio-activity	Bioactivity was measured in a cell proliferation assay using anti-CD3 activated human peripheral mononuclear cells.
Molecular Mass	78 KDa (monomer)

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AA Sequence	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.
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" test.="">
Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	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.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	IL27 interleukin 27 [Homo sapiens]
Official Symbol	IL27
Synonyms	IL27; interleukin 27;
Gene ID	144841

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