

Recombinant Human IL20 protein, His-tagged

Cat. No. IL20-588H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL19 protein(25-176 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	25-176 aa
Form	20mM Tris, 150mM NaCl, pH8.0, containing 0.05% sarcosyl and 5% trehalose.
Bio-activity	IL20 (Interleukin-20) is a cytokine structurally related to interleukin 10, which is produced by activated keratinocytes and monocytes. It is accepted that IL20 regulates proliferation and differentiation of keratinocytes during inflammation, particularly inflammation associated with the skin. Thus, proliferation assay of IL20 was conducted using ECV-304 cells. Briefly, ECV-304 cells were seeded into triplicate wells of 96-well plates at a density of 2,000 cells/well and allowed to attach overnight, then the medium was replaced with serum-free standard 1640 prior to the addition of various concentrations of IL20. After incubated for 48h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 μ of CCK-8 solution was added to each well of the plate, then the absorbance at 450nm was measured using a microplate reader after incubating the plate for 1-4 hours at 37°C. Proliferation of ECV-304 cells after incubation with IIL20 for 48h observed by inverted microscope. Cell viability was

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assessed by CCK-8 (Cell Counting Kit-8) assay after incubation with human recombinant IL20 for 48h. It was obvious that human IL20 significantly decreased cell viability of ECV-304 cells.

Molecular Mass	21.2kDa
Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	>92%
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	IL20 interleukin 20 [Homo sapiens]
Official Symbol	IL20
Synonyms	IL20; interleukin 20; interleukin-20; IL 20; IL10D; ZCYTO10; cytokine Zcyto10; four alpha helix cytokine; IL-20; MGC96907;
Gene ID	50604
mRNA Refseq	NM_018724
Protein Refseq	NP_061194

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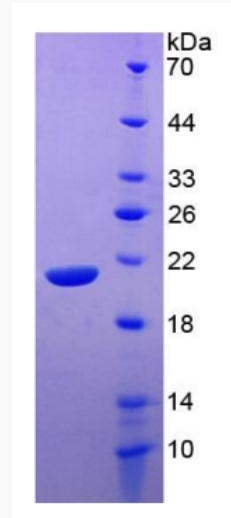
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MIM 605619

UniProt ID Q9NYY1

SDS-PAGE



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