

Human IL20 protein, His tag (active)

Cat. No. GTX00137-pro

Applications Functional Assay**Species** Human**Package**

10 µg

Applications

Application Note

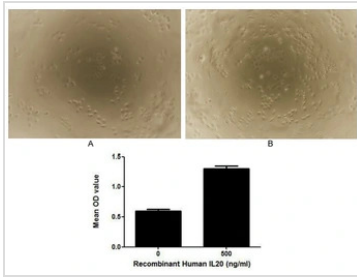
IL20 (Interleukin-20) is a cytokine structurally related to interleukin 10, which is produced by activated keratinocytes and monocytes. It is accepted that IL20 regulates proliferation and differentiation of keratinocytes during inflammation, particularly inflammation associated with the skin. Thus, 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 2000 cells/well and allowed to attach overnight, then the medium was replaced with serum-free standard RPMI-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 µl 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 IL20 for 48h observed by inverted microscope. Cell viability was assessed by CCK-8 (Cell Counting Kit-8) assay after incubation with human recombinant IL20 for 48h. The human IL20 significantly decreased cell viability of ECV-304 cells.

Observed MW (kDa) 21 kDa.

Properties

Form Lyophilized powder**Buffer** Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose.**Preservative** ProClin 300**Storage** For short-term storage (1-2 weeks), store at 4°C. For long-term storage, store at -20°C or below. After reconstitution, keep as concentrated solution. Avoid freeze-thaw cycles.**Region/Sequence** N-terminal His-Tag; Leu25~Glu176 (NP_061194.2)**Expression System** E. coli**Purity** > 90%**Endotoxin** < 1 EU/µg**Conjugation** Unconjugated**Note** For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

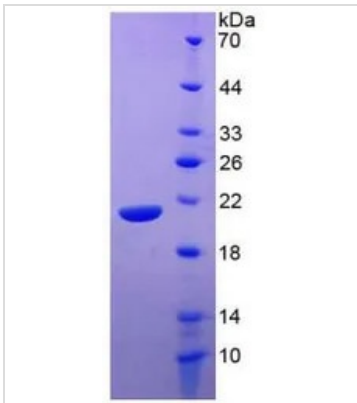
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DATA IMAGES

GTX00137-pro Functional Assay Image

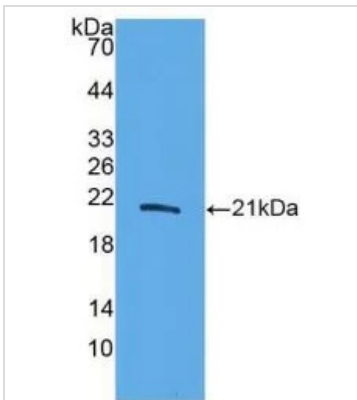
Cell proliferation effect of GTX00137-pro Human IL20 protein (active). Cell viability was measured by Cell Counting Kit-8 (CCK-8).

(A) Unstimulated ECV-304 cells cultured in RPMI-1640 for 48hrs.

(B) ECV-304 cells cultured in RPMI-1640, stimulated with 500 ng/ml IL20 for 48hrs.


GTX00137-pro Image

SDS-PAGE analysis of GTX00137-pro Human IL20 protein (active).


GTX00137-pro Image

WB analysis of GTX00137-pro Human IL20 protein (active).



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