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## Product Datasheet

### Human IL20 protein, His tag (active), Unconjugated GTX00137-PRO

Article Name	Human IL20 protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00137-PRO
Supplier Catalog Number	GTX00137-pro
Alternative Catalog Number	GTX00137-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	<a href="#">50604</a>
UniProt	<a href="#">Q9NYY1</a>
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, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Leu25~Glu176 (NP_061194.2)

Application Notes

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  $\mu$ l 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 37C. Proliferation of ECV-304 cells after incubation with IIL20 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.