

Interleukin 20 (IL20) Active Protein | IL20 active protein

Active Interleukin 20 (IL20)

CATALOG # AAA148137	REACTIVITY Human	APPLICATIONS Activity Assay, Cell Culture
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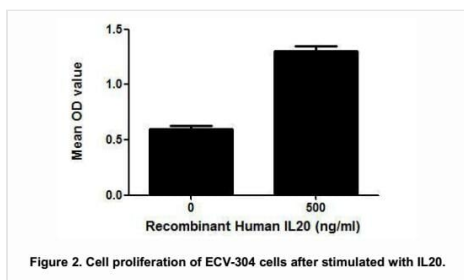
PRODUCT SYNONYMS

Interleukin 20 (IL20); Active Interleukin 20 (IL20); IL10D; IL10-D; ZCYTO10; Cytokine Zcyto10; IL20 active protein

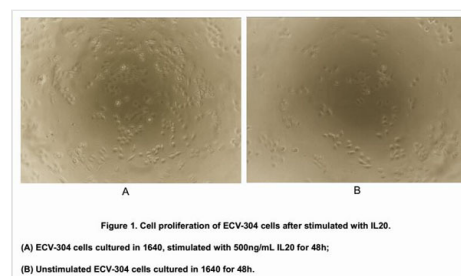
PRODUCT SPECIFICATIONS

Reactivity	Human
Purity/Purification	> 90%
Form/Format	Freeze-dried powder
Sequence Length	176
Applicable Applications for IL20 active protein	Activity Assay, Cell Culture
Tag	N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	Leu25~Glu176
Isoelectric Point	8.9

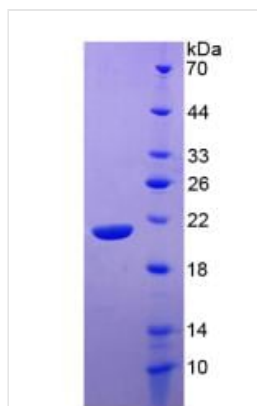
IMAGES



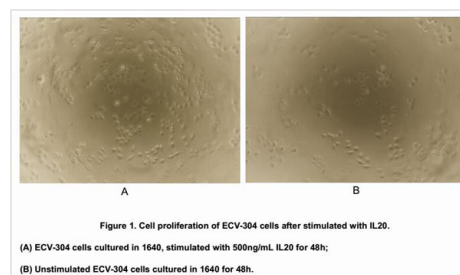
Application Data



Application Data



SDS-PAGE



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, 10uL 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 degree C. Proliferation of ECV-304 cells after incubation with IL20 for 48h observed by inverted microscope was shown in Figure 1. Cell viability was assessed by CCK-8 (Cell Counting Kit-8) assay after incubation with human recombinant IL20 for 48h. The result was shown in Figure 2. It was obvious that human IL20 significantly decreased cell viability of ECV-304 cells.

ADDITIONAL INFORMATION

Product Categories/Family for IL20 active protein

Cytokine; Infection immunity; Dermatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	31083166
NCBI GeneID	50604
NCBI Accession #	NP_061194.2
NCBI GenBank Nucleotide #	NM_018724.3
UniProt Accession #	Q9NYY1; Q17RB3; Q2THG6; Q96QZ6
Molecular Weight	Predicted Molecular Weight: 21.2kDa Accurate Molecular Weight: 21kDa
NCBI Official Full Name	interleukin-20
NCBI Official Synonym Full Names	interleukin 20
NCBI Official Symbol	IL20
NCBI Official Synonym Symbols	IL-20; IL10D; ZCYTO10
NCBI Protein Information	interleukin-20
UniProt Protein Name	Interleukin-20
UniProt Gene Name	IL20
UniProt Synonym Gene Names	ZCYTO10; IL-20

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.