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## Product Datasheet

### Human IL24 protein, His tag (active), Unconjugated GTX00138-PRO

Article Name	Human IL24 protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00138-PRO
Supplier Catalog Number	GTX00138-pro
Alternative Catalog Number	GTX00138-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	<a href="#">11009</a>
UniProt	<a href="#">Q13007</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, Gly51~Leu206 (NP_001172085.1)

## Application Notes

IL24 (interleukin 24) is a cytokine that belongs to IL10 family. This protein can induce apoptosis selectively in various cancer cells, including ECV304. Thus, inhibition of cell proliferation assay of IL24 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 IL24. 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. Inhibition of ECV-304 cells proliferation after incubation with IL24 for 48h observed by inverted microscope. Cell viability was assessed by CCK-8 (Cell Counting Kit-8 ) assay after incubation with various concentrations of IL24 for 48h. The mean OD value of ECV-304 assessed by CCK-8 that IL24 significantly decreased cell viability of ECV-304 cells.