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Product Datasheet

Human IL15 protein, His tag (active), Unconjugated GTX00088-PRO

Article Name	Human IL15 protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00088-PRO
Supplier Catalog Number	GTX00088-pro
Alternative Catalog Number	GTX00088-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	3600
UniProt	P40933
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	HEK293 cells
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Trp50~Ser162 (NP_000576.1)

Application Notes

Interleukin 15 (IL15) is a widely expressed cytokine that is structurally and functionally related to IL2, which plays an important role in many immunological diseases. IL15 also regulates T and natural killer (NK) cell activation and proliferation. To test the effect of IL15 on cells proliferation of human T lymphocyte cells, Jurkat cells were seeded into triplicate wells of 96-well plates at a density of 1×10^4 cells/well in RPMI-1640 with the addition of various concentrations of IL15. After incubated for 72h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 μ 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. Cell proliferation of Jurkat cells after incubation with IL15 for 72h observed by inverted microscope.