

## Human IL4 protein, His tag (active)

## Cat. No. GTX00093-pro

Applications	Functional Assay	Package
Species	Human	10 µg

## Applications

## Application Note

Interleukin 4 (IL4) is a cytokine that induces differentiation of naive helper T cells and monocyte. As reported, IL-4 would induce the differentiation of THP-1 cells into dendritic cells and macrophages in vitro. THP-1 cells were cultured in RPMI-1640 and stimulated with 2 ng/ml IL-4, after 12 days of stimulation, cell bodies enlarged with extending pseudopodia, and vesicular bodies appeared within the cells, which showed a morphological characteristics of dendritic cells and macrophages.

Observed MW (kDa) 20 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; His25~Ser153 (NP_000580.1)
Expression System	HEK293 cells
Purity	> 95%
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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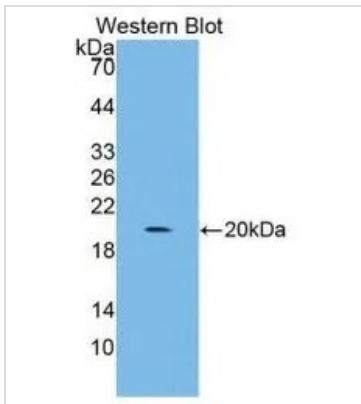
## DATA IMAGES

**GTX00093-pro Functional Assay Image**

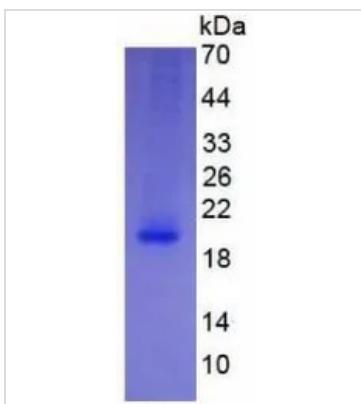
Cell differentiation effect of GTX00093-pro Human IL4 protein (active).

(A) Unstimulated THP-1 cells cultured in RPMI-1640.

(B) THP-1 cells cultured in RPMI-1640, stimulated with IL-4.

**GTX00093-pro Image**

WB analysis of GTX00093-pro Human IL4 protein (active).

**GTX00093-pro Image**

SDS-PAGE analysis of GTX00093-pro Human IL4 protein (active).



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