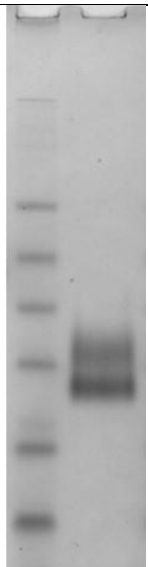


**Interleukin 4 (IL-4)** is a cytokine that functions as a potent regulator of immunity. It is secreted primarily by mast cells, Th2 cells, eosinophils, and basophils. IL-4 signals through the IL-4R  $\alpha$ -chain which activates several pathways. This activation can lead to B cell proliferation, survival of T and B cells and chemokine production. IL-4 has been shown to have a role in allergic asthma through its regulation of TH2 cell proliferation and IgE synthesis, and atopy or excessive IgE production has been associated with elevated levels of IL-4 in response to allergens.

Description	
Source	HEK293, Met1-Phe147, with C-terminal His Tag
UniProt	Q60440
Purity	>95% by SDS-PAGE
Predicted Molecular Mass	18.5 kDa
SDS-PAGE	22.4-31.8 kDa
Formulation	Lyophilized from 1X PBS with Trehalose
Preparation and Storage	
Reconstitution	Reconstitute at 25 µg/mL in sterile PBS containing at least 0.1% protein
Shipping	Ambient
Storage	5 years at -80°C; 2 years at -20°C or 4°C Upon reconstitution: 5 years at -80°C; 2 years at -20°C
Expiration	See lot specific CoA
<div> <div> 118kDa- 98kDa- 62kDa- 49kDa- 38kDa- 28kDa- 14kDa- 6kDa- </div>  </div>	
Hamster IL-4 (2µg) on a Coomassie stained 4-12% SDS-PAGE gel, reducing conditions.	

For Research Use Only

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