

Animal-Free IL-17B Protein, Mouse (His)

Cat. No.:	HY-P78315AF
Synonyms:	IL-17B; Cytokine CX1; IL20; interleukin 17B; interleukin 20; MGC138900; MGC138901; NIRF; ZCYTO7
Species:	Mouse
Source:	E. coli
Accession:	Q9QXT6 (H21-F180)
Gene ID:	56069
Molecular Weight:	Approximately 18.99 kDa

PROPERTIES

AA Sequence	<p>M H P R N T K G K R K G Q G R P S P L A P G P H Q V P L D L V S R V K P Y A R M</p> <p>E E Y E R N L G E M V A Q L R N S S E P A K K K C E V N L Q L W L S N K R S L S</p> <p>P W G Y S I N H D P S R I P A D L P E A R C L C L G C V N P F T M Q E D R S M V</p> <p>S V P V F S Q V P V R R R L C P Q P P R P G P C R Q R V V M E T I A V G C T C I</p> <p>F</p>
Biological Activity	Measure by its ability to induce IL-8 secretion in HepG2 cells. The ED ₅₀ for this effect is <1.5 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	IL-17B protein is a key regulator of immune responses, demonstrating its functional role in cellular signaling by specifically stimulating the release of pro-inflammatory cytokines, namely tumor necrosis factor alpha (TNF-α) and interleukin-1 beta (IL-1β), from the monocytic cell line THP-1. This activity underscores the protein's importance in orchestrating immune reactions and inflammatory pathways, positioning it as a potential modulator of immune homeostasis and a target for therapeutic interventions aimed at regulating inflammatory processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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