

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

Cat. No.:	HY-P700105AF
Synonyms:	Interleukin-17B; IL-17B; Cytokine Zcyto7; IL-20; NIRF; ZCYTO7
Species:	Human
Source:	E. coli
Accession:	Q9UHF5 (Q21-F180)
Gene ID:	27190
Molecular Weight:	Approximately 19.09 kDa

PROPERTIES

AA Sequence	<p> M Q P R S P K S K R K G Q G R P G P L A P G P H Q V P L D L V S R M K P Y A R M E E Y E R N I E E M V A Q L R N S S E L A Q R K C E V N L Q L W M S N K R S L S P W G Y S I N H D P S R I P V 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 S V P V F S Q V P V R R R L C P P P P R T G P C R Q R A V M E T I A V G C T C I F </p>
Biological Activity	Measure by its ability to induce IL-8 secretion in human PBMCs. The ED ₅₀ for this effect is <49 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 8.0.
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	<p>IL-17B protein plays a crucial role in cellular signaling by inducing the release of pro-inflammatory cytokines, specifically tumor necrosis factor alpha (TNF-α) and interleukin-1 beta (IL-1β), from the monocytic cell line THP-1. This activity highlights the protein's involvement in the regulation of immune responses and inflammatory processes, emphasizing its potential significance in mediating the crosstalk between immune cells and contributing to the overall immune homeostasis.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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