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## Product Data Sheet

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Product Name: IL17B Human, Sf9  
 Cat. No.: GP20585  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin-17B; IL-17B; Cytokine Zcyto7; Interleukin-20; Neuronal interleukin-17-related factor; IL20; NIRF; ZCYTO7.		
Amino Acid Sequence	ADPQPRSPKS KRKGQGRPGP LAPGPHQVPL DLVSRMKPYA RMEEYERNIE EMVAQLRNSS ELAQRKCEVN LQLWMSNKRS LSPWGYSINH DPSRIPVDLP EARCLCLGCV NPFTMQEDRS MVSVPVFSQV PVRRLCPPT PRTGPCRQRA VMETIAVGCT CIFHHHHHH.		
Formulation	IL17B protein solution (0.25mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.		

### Introduction

IL-17 family members are glycoproteins secreted as dimers which induce local cytokine production and recruit granulocytes to sites of inflammation. The IL-17 family is comprised of at least six pro-inflammatory cytokines that share a conserved cysteine-knot structure but diverge at the N-terminus. IL-17 is induced by IL-15 and IL-23, mostly in activated CD4+ T cells distinct from Th1 or Th2 cells. IL-17B binds the IL-17B receptor, but not the IL-17 receptor; it is most homologous with IL-17D, which is expressed by resting CD4+ T cells and CD19+ B cells. IL17B Diseases associated with IL17B include spondyloarthritis, and neuronitis, and among its related super-pathways are Mucin expression in CF via IL-6, IL-17 signaling pathways and STAT3 Pathway.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

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IL17B Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 169 amino acids (21-180a.a.) and having a molecular mass of 19.2kDa (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). IL17B is expressed with a 6 amino acid His-tag at C-Terminus and purified by proprietary chromatographic techniques.

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