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## Product Data Sheet

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Product Name: IL17A Human, Sf9

Cat. No.: GP20582

Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin 17A; CTLA8; IL17; Interleukin 17 (Cytotoxic T-Lymphocyte-Associated Serine Esterase 8); Cytotoxic T-Lymphocyte-Associated Protein 8; Cytotoxic T-Lymphocyte-Associated Antigen 8; CTLA-8; IL-17A; IL-17; Interleukin-17A.		
Amino Acid Sequence	GITIPRNPGC PNPSEDKNFPR TVMVNLNIHN RNTNTNPKRS SDYYNRSTSP WNLHRNEDPE RYPSVIWEAK CRHLGCINAD GNVDYHMNSV PIQQEILVLR REPPHCPNSF RLEKILVSVG CTCVTPIVHH VAHHHHHH		
Formulation	IL17A protein solution (0.25mg/ml) contains Phosphate buffered saline (pH7.4), 20% glycerol, 1mM EDTA and 0.1mM PMSF.		

**Introduction**

IL17 is a proinflammatory cytokine produced by activated T cells. IL-17 regulates the activities of NF-kappaB and mitogen-activated protein kinases. Interleukin-17 can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). High levels of IL-17 are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis.

**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**

IL17A produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (24-155 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 138 amino acids

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

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and having a molecular mass of 15.9kDa. IL17A shows multiple bands between 13.5-28kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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