

Recombinant Human Interleukin 17D

Cat. No. IL17D-167H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL-17D produced in <i>E.coli</i> is a disulfide-linked homodimer with a total weight of 40.5 kDa, consisting of 370 amino acid residues.
Species	Human
Source	E.coli
Description	The originally described IL-17 protein, now known as IL-17A, is a homodimer of two 155 amino acid chains, secreted by activated T-cells and acts on stromal cells to induce production of proinflammatory and hematopoietic bioactive molecules. Today, IL-17 represents a family of structurally-related cytokines that share a highly conserved C-terminal region and differ from one another in their N-terminal segments and in their distinct biological roles. The six known members of this family, IL-17A through IL-17F, are secreted as disulfide-linked homodimers. IL-17D has the ability to stimulate the production of IL-6, IL-8 and GM-CSF and inhibits hemopoiesis of myeloid progenitor cells in colony forming assays.
Purity	> 98% by SDS-PAGE and HPLC analysis.
Endotoxin Level	< 0.1 ng per ug of IL-17D.
Stabilizer	None.
Formulation	Lyophilized.

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Biological Activity	Testing in progress.
Reconstitution	The human IL-17D should be reconstituted in water to a concentration of 0.1-1.0 mg/ml. This solution can be diluted in water or other buffer solutions or stored at -20°C.
Stability	The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted human IL-17D should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.
GENE INFORMATION	
Gene Name	IL17D interleukin 17D [Homo sapiens]
Synonyms	IL17D; interleukin 17D; IL27; IL-22; IL-27; IL-17D; FLJ30846; interleukin 27; Interleukin-17D; Interleukin-27; OTTHUMP00000018104
Gene ID	53342
mRNA Refseq	NM_138284
Protein Refseq	NP_612141
MIM	607587
UniProt ID	Q8TAD2
Chromosome Location	13q11
Function	cytokine activity

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