

IL-17B Human E. coli

Product Data Sheet

Type: Recombinant	Cat. No.:	
Source: E. coli	RBG10017B005	(5 µg)
Species: Human	RBG10017B025	(25 µg)
Other names: IL20, NIRF	RBG10017B100	(100 µg)

Description

IL-17B is a disulfide-linked homodimer of two 161 amino acid polypeptide chains. It belongs to the IL-17 family of structurally-related cytokines that share a highly conserved C-terminal region, but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family, IL-17A through IL-17F, are secreted as homodimers. IL-17B is expressed by T-cells, and has been shown to stimulate release of TNF-alpha and IL-1beta from cells of the monocyte lineage. Recombinant Human IL-17B is a 36.6 kDa non-disulfide-linked homodimer of two 161 amino acid polypeptide chains.

Research topic

Cardiovascular disease, Coronary artery disease, Immune Response, Infection and Inflammation

Amino Acid Sequence

MQPRSPKSKR KGQGRPGPLA PGP HQVPLDL VSRMKPYARM EYERNIEEM VAQLRNSSEL AQRKCEVNLQ LWMSNKRSL S
PWGYSINHDP SRIPVDLPEA RCLCLGCVNP FTMQEDRS MV SVPVFSQVPV RRRLCPPPPR TGPCRQRAVM ETIAVGCTCI F

Source

E. coli

Purity

98%

Biological Activity

Determined by its ability to induce IL-8 in human PBMCs using a concentration range of 10ng-100ng. Please Note: Results may vary with PBMC donors.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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