

Growth Factor Data Sheet

GoldBio growth factors are manufactured for **RESEARCH USE ONLY** and cannot be sold for human consumption!

IL17B, also named IL20, NIRF and ZCYTO7, belongs to the IL17 family and it stimulates the release of tumor necrosis factor alpha (TNF- α) and IL1-beta from the monocytic cell line THP-1. IL17B mRNA is expressed in adult pancreas, small intestine, and stomach. The IL17 family is comprised of at least six proinflammatory cytokines that share a conserved cysteine-knot structure but diverge at the N-terminus. IL17 family members are glycoproteins secreted as dimers that induce local cytokine production and recruit granulocytes to sites of inflammation. IL17B binds the IL17B receptor, but not the IL17 receptor; it is most homologous with IL17D, which is expressed by resting CD4+ T cells and CD19+ B cells. Immunohistochemical analysis of several nerve tissues indicates that this cytokine is primarily localized to neuronal cell bodies.

Catalog Number	1110-17B
Product Name	IL17B, Human Recombinant Human Interleukin-17B IL17B Neuronal interleukin-17-related factor, NIRF
Source	<i>Escherichia coli</i>
MW	~36.4 kDa (2x 161 amino acids)
Sequence	MQPRSPKSKR KGQGRPGPLA PGPHQVPLDL VSRMKPYARM EYERNIEEM VAQLRNSSEL AQRKCEVNLQ LWMSNKRSL S PWGYSINHDP SRIPVDLPEA RCLCLGCVNP FTMQEDRSMV SVPVFSQVPV RRRLCPPPPR TGPCRQRAVM ETIAVGCTCI F
Accession Number	Q9UHF5
Purity	>95% by SDS-PAGE and HPLC analyses
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by inducing IL-8 secretion of human HepG2 cells is less than 1.0 μ g/ml, corresponding to a specific activity of >1000 IU/mg.
Formulation	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
Storage/Handling	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
Reconstitution	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.