

## Recombinant Human IL17B protein

Cat. No. IL17B-29741TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL17B protein was expressed in Escherichia coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	161
<b>Description</b>	The protein encoded by this gene is a T cell-derived cytokine that shares sequence similarity with IL17. This cytokine was reported to stimulate the release of TNF alpha (TNF) and IL1 beta (IL1B) from a monocytic cell line. Immunohistochemical analysis of several nerve tissues indicated that this cytokine is primarily localized to neuronal cell bodies. Alternative splicing results in multiple splice variants.
<b>Form</b>	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4, with 0.1 % Tween-20 and 3 % Trehalose.
<b>Bio-activity</b>	Fully biologically active when compared to standard. The ED50 as determined by inducing IL-8 secretion of human HepG2 cells is less than 1.0 µg/ml, corresponding to a specific activity of > 1000 IU/mg.
<b>Molecular Mass</b>	Approximately 36.5 kDa, a non-disulfide-linked homodimer of two 161 amino acid polypeptide chains.
<b>AA Sequence</b>	MQPRSPKSKRKGQGRPGPLAPGPHQVPLDLVSRMKPYARMEEYERNIEEMVAQLR

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NSSELAQRKCEVNLQLWMSNKRSLSPWGYINHDPSRIPVDLPEARCLCLGCVNPF  
 TMQEDRSMVSPVFSQVPVRRRLCPPPRTGPCRQRAVMETIAVGCTCIF

**Endotoxin** Less than 0.1 EU/g of rHuIL-17B as determined by LAL method.

**Purity** >95% by SDS-PAGE and HPLC analysis.

**Storage** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

## GENE INFORMATION

**Gene Name** IL17B

**Official Symbol** IL17B

**Synonyms** IL17B; interleukin 17B; interleukin-17B; IL 17B; IL 20; MGC138900; MGC138901; neuronal interleukin 17 related factor; NIRF; ZCYTO7; interleukin 20; interleukin-20; cytokine Zcyto7; interleukin-17 beta; cytokine-like protein ZCYTO7; neuronal interleukin-17 related factor; neuronal interleukin-17-related factor; IL-20; IL-17B;

**Gene ID** 27190

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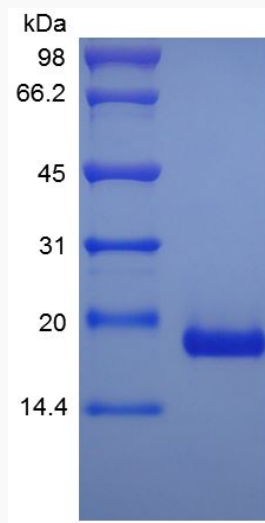
mRNA Refseq [NM\\_014443](#)


Protein Refseq [NP\\_055258](#)

MIM [604627](#)

UniProt ID [Q9UHF5](#)

SDS-PAGE of IL17B-  
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