# Recombinant Human IL17B protein

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

## SPECIFICATION

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| **Product Overview** | Recombinant Human IL17B protein was expressed in Escherichia coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 161 |
| **Description** | 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. |
| **Form** | Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH 7.4, with 0.1 % Tween-20 and 3 % Trehalose. |
| **Bio-activity** | 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. |
| **Molecular Mass** | Approximately 36.5 kDa, a non-disulfide-linked homodimer of two 161 amino acid polypeptide chains. |
| **AA Sequence** | MQPRSPKSKRKGQGRPGPLAPGPHQVPLDLVSRMKPYARMEEYERNIEEMVAQLR |

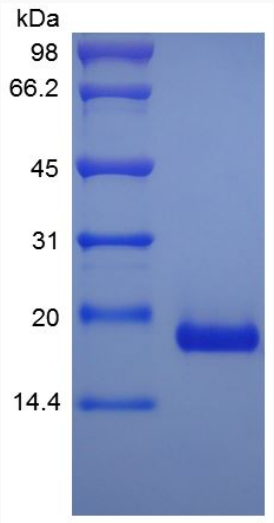
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| | NSSELAQRKCEVNLQLWMSNKRSLSPWGYSINHDPSRIPVDLPEARCLCLGCVNPF TMQEDRSMVSVPVFSQVPVRRRLCPPPPRTGPCRQRAVMETIAVGCTCIF |
| **Endotoxin** | Less than 0.1 EU/μg of rHuIL-17B as determined by LAL method. |
| **Purity** | >95% by SDS-PAGE and HPLC analysis. |
| **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

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| **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-29741TH** |  |



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