

Recombinant Human IL17B protein

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

SPECIFICATION

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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NSSELAQRKCEVNLQLWMSNKRSLSPWGYSHDPSRIPVDLPEARCLCLGCVNPF
TMQEDRSMVSPVFSQVPVRRRLCPPPPRTGPCRQRAVMETIAVGCTCIF

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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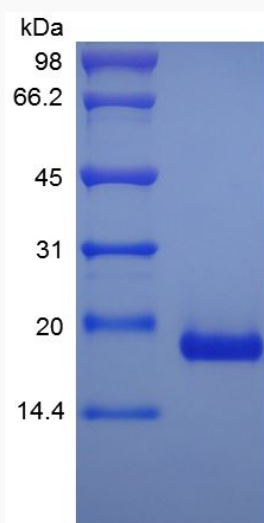
mRNA Refseq NM_014443

Protein Refseq NP_055258

MIM 604627

UniProt ID Q9UHF5

SDS-PAGE of IL17B-
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