
Human IL-17C Recombinant Protein

Catalog Number: 14-8177

Also Known As: Interleukin 17C

RUO: For Research Use Only

Product Information

Contents: Human IL-17C Recombinant Protein

REF **Catalog Number:** 14-8177

Handling Conditions: For best recovery, quick-spin vial prior to opening. Use in a sterile environment

Source: Insect cell expressed
AQPAVHHHHHSAGIEGR+His19-Val197 of mature human IL-17C (accession #NM_013278).


Molecular Mass: The protein has a predicted molecular mass of 19,793 daltons.

Purity: Greater than 98% as determined by SDS-PAGE


Endotoxin Level: Less than 0.01 ng/ug cytokine as determined by the LAL assay.

Bioactivity: Testing in progress.

Formulation: Sterile liquid: 20 mM phosphate, 0.2 M NaCl, pH 6.0, with 1.0% BSA. 0.22 µm filtered.

 **Temperature Limitation:** Store at less than or equal to -70°C.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

Description

IL-17C is a member of the IL-17 family, which is comprised of six proteins (IL-17A through IL-17F). IL-17 proteins are pro-inflammatory cytokines that induce local cytokine production and are involved in the regulation of immune functions. IL-17C has been reported to stimulate the release of TNF alpha and IL-1 beta from the monocytic cell line THP-1. IL-17C shares 15% to 30% amino acid sequence identity with the other IL-17 family members. Mouse and human IL-17C share 83% amino acid sequence identity.

Applications Tested

Currently there is no reliable bioassay available for this recombinant protein.

References

Yamaguchi, Y. Fujio, K.; Shoda, H. Okamoto, A. Tsuno, N. H. Takahashi, K. Yamamoto, K. IL-17B and IL-17C are associated with TNF-alpha production and contribute to the exacerbation of inflammatory arthritis. *J Immunol.* 2007 Nov 15;179(10):7128-36.

Hurst, S. D. Muchamuel, T. Gorman, D. M. Gilbert, J. M. Clifford, T. Kwan, S. Menon, S. Seymour, B. Jackson, C. Kung, T. T. Brieland, J. K. Zurawski, S. M. Chapman, R. W. Zurawski, G. Coffman, R. L. New IL-17 family members promote Th1 or Th2 responses in the lung: in vivo function of the novel cytokine IL-25. *J Immunol.* 2002 Jul 1;169(1):443-53.

Li, H. Chen, J. Huang, A. Stinson, J. Heldens, S. Foster, J. Dowd, P. Gurney, A. L. Wood, W. I. Cloning and characterization of IL-17B and IL-17C, two new members of the IL-17 cytokine family. *Proc Natl Acad Sci U S A.* 2000 Jan 18;97(2):773-8.

Related Products

14-8171 Mouse IL-17A Recombinant Protein

14-8179 Human IL-17A Recombinant Protein

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