

IL-20, human recombinant

CATALOG NO: 4548-10 10 µg
4548-50 50 µg
4548-1000 1 mg

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC

MOL. WEIGHT: Recombinant Human IL-20 is a 35.2 kDa homodimeric protein consisting of two 153 amino acid polypeptide chains.

FORM: Lyophilized

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 µg/µl. It is recommended that further dilutions be made into buffer containing carrier protein or medium containing serum. This solution can then be stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

The lyophilized IL-20 is best-stored desiccated below 0°C. Reconstituted IL-20 should be stored at working aliquots at -20°C.

DESCRIPTION:

IL-20 is a member of the IL-10 family of regulatory cytokines, which includes IL-10, IL-19, IL-20, IL-22, IL-24 and IL-26. Members of this family share partial homology in their amino acid sequences, but they are dissimilar in their biological functions. IL-20 is a hematopoietic growth factor capable of stimulating colony formation by CD34+ multipotential progenitors, but not by other progenitor cells. IL-20 signals through a receptor system composed of type I IL-20R α and type II IL-20R β . Over-expression of IL-20 in keratinocytes expressing both receptor subunits has been implicated in the induction of inflammatory skin disease.

BIOLOGICAL ACTIVITY:

Determined by its ability to activate STAT following receptor ligand interaction

AMINO ACID SEQUENCE:

MLKTLNLGSC VIATNLQEIR NGFSEIRGSV QAKDGNIDIR ILRRTESLQD TKPANRCCLL
RHLLRLYLDR VFKNYQTPDH YTLRKISSLA NSFLTIKKDL RLCHAHMTCH CGEEAMKKYS
QILSHFEKLE PQAAVVKALG ELDILLQWME ETE

RELATED PRODUCTS:

- IL-10, human recombinant (**Cat. No. 4155-10, -50, -1000**)
- IL-11, human recombinant (**Cat. No. 4158-10, -50, -1000**)
- IL-12, human recombinant (**Cat. No. 4161-10, -50, -1000**)
- IL-12p40, human recombinant (**Cat. No. 4732-10, -50, -1000**)
- IL-13, human recombinant (**Cat. No. 4164-10, -50, -1000**)
- IL-15, human recombinant (**Cat. No. 4170-10, -50, -1000**)
- IL-16, human recombinant (**Cat. No. 4173-10, -50, -1000**)
- IL-17A, human recombinant (**Cat. No. 4176-10, -50, -1000**)
- IL-17B, Human Recombinant (**Cat. No. 7106-10, -50**)
- IL-17D, Human Recombinant (**Cat. No. 7107-10, -50**)
- IL-17E, human recombinant (**Cat. No. 4176E-10, -50**)

FOR RESEARCH USE ONLY! Not to be used on humans.