

Interleukin-20 Human E. coli

Product Data Sheet

Type: Recombinant	Cat. No.:	
Source: E. coli	RBG10020002	(2 µg)
Species: Human	RBG10020010	(10 µg)
Other names: IL-20	RBG10020100	(100 µg)

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-20Ralpha and type II IL-20Rbeta. Over-expression of IL-20 in keratinocytes expressing both receptor subunits has been implicated in the induction of inflammatory skin disease. Recombinant Human IL-20 is a 35.2 kDa homodimeric protein consisting of two 153 amino acid polypeptide chains.

Amino Acid Sequence

MLKTLNLGSC VIATNLQEIR NGFSEIRGSV QAKDGNIDIR ILRRTESLQD TKPANRCCLL RHLRLYLDR VFKNYQTPDH
YTLRKiSSLA NSFLTIKKDL RLCHAHMTCH CGEEMKKYS QILSHFEKLE PQAAVVKALG ELDILLQWME ETE

Source

E. coli

Purity

98%

Biological Activity

Determined by its ability to activate STAT following receptor ligand interaction.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.5-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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