



Technical Data Sheet

Recombinant Human Interleukin-20 (rHuIL-20)

Human Interleukin-20

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.

Catalog Number:	RC212-31
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 17.6 kDa, a single non-glycosylated polypeptide chain containing 153 amino acids.
Quantity:	2ug/10ug/1mg
AA Sequence:	MLKTLNLGSC VIATNLQEIR NGFSEIRGSV QAKDGNIDIR ILRRTESLQD TKPANRCCLL RHLRLYLDR VFKNYQTPDH YTLRKISSLA NSFLTIKKDL RLCHAHMTCH CGEEAMKKYS QILSHFEKLE POAAVVKALG ELDILLOWME ETE
Purity:	>95% by SDS-PAGE and HPLC analyses.
Biological Activity:	Measured by its ability to activate STAT following receptor ligand interaction, it's fully biologically active when compared to standard.
Formulation:	Lyophilized from a 0.2 μ m filtered concentrated (1mg/ml) solution in PBS, pH 7.4.
Endotoxin:	Less than 1EU/ μ g of rHuIL-20 as determined by LAL method.
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



$\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

Storage:

This lyophilized preparation is stable for several weeks at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

Usage:

This material is offered by Bio Basic Inc. for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.