



Recombinant Human IL-20
(Interleukin-20)

Catalog Number: 100-89
Accession Number: Q9NYYI

Specifications and Uses:

Alternate Names: None

Description:

Interleukin-20 (IL-20) is an IL-10 family member produced by keratinocytes and monocytes. IL-20 appears to regulate the growth of keratinocytes during inflammation of the skin. Recombinant human IL-20 is a non-glycosylated homodimer, containing two 153 amino acids, with a total molecular weight of 35.2 kDa.

Source: *E.coli*

Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder.

Formulation and Stability:

Recombinant human IL-20 is lyophilized from 100 mM NaCl and 10 mM sodium citrate buffer, pH 3. Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

Reconstitution:

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Protein Content and Purity (typically ≥ 98%) determined by:

HPLC, Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm

Endotoxin Level:

Measured by kinetic LAL analysis and is typically ≤ 1 EU/μg protein.

Biological Activity:

The activity is determined by the ability to activate STAT following receptor ligand interaction.

AA Sequence:

MLKTLNLGSC VIATNLQEIR NGFSEIRGSV QAKDGNIDIR ILRRTESLQD TKPANRCCLL RHLRLYLDR
VFKNYQTPDH YTLRKISLA NSFLTICKDL RLCHAHMTCH CGEEAMKKYS QILSHFEKLE PQAAVVKALG
ELDILLQWME ETE

THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT FOR USE IN HUMANS!

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