

rHuIL-20

Recombinant Human Interleukin-20

Product	Cat#	Package size
Recombinant Human Interleukin-20	C6079.0002	2µg
Recombinant Human Interleukin-20	C6079.0010	10µg
Recombinant Human Interleukin-20	C6079.1000	1mg

Synonyms: IL10D, ZCYTO10, IL-20, MGC96907, Four alpha helix cytokine Zcyto10.

Product description

IL20 is a cytokine structurally related to interleukin 10 (IL10). IL20 cytokine has been shown to transduce its signal through signal transducer and activator of transcription 3 (STAT3) in keratinocytes. A specific receptor for this cytokine is found to be expressed in skin and upregulated dramatically in psoriatic skin, suggesting a role for this protein in epidermal function and psoriasis.

Recombinant Human IL-22 produced in *E.coli* is a non-glycosylated homodimeric polypeptide of 2 x 153 amino acids and a molecular weight of 35212 Dalton.

Source: *Escherichia coli*

Biological activity

The Biological Activity was determined by measuring the dose dependent activation of STAT3 in human epidermal keratinocytes (HEKA cells). Significant STAT3 activation is observed with 100ng/mL of recombinant human IL-20 corresponding to a Specific Activity of 10,000IU/mg.

Purity: Greater than 95% by SDS-PAGE and HPLC analysis.

Amino acid sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Leu-Lys-Thr-Leu.

Formulation: Lyophilized without any additives.

Solubility / Reconstitution

It is recommended to briefly centrifuge the vial prior to opening to bring the contents to the bottom. Reconstitute the lyophilised rHuIL-20 in sterile water not less than 100µg/mL, which can then be further diluted to other aqueous solutions.

Stability

Lyophilised rHuIL-20 although stable at room temperature for 3 weeks, should be stored desiccated at -20°C. Reconstituted rHuIL-20 is best stored refrigerated at +2°C to +8°C between 2-7 days and at -20°C for long term storage. For long term storage it is recommended to add a carrier protein (e.g., 0.1% HSA or BSA).

Please prevent from repeated freeze-thaw cycles.

Usage

This product is for **research/laboratory usage only**. It may not be used as drug, agricultural or pesticidal product, food additive or household chemical.