

IL-20 Protein, Human

Cat. No.:	HY-P7214
Synonyms:	rHuIL-20; IL20; Cytokine Zcyto10
Species:	Human
Source:	E. coli
Accession:	Q9NYY1-1 (L25-E176)
Gene ID:	50604
Molecular Weight:	Approximately 17.6 kDa

PROPERTIES

AA Sequence	<pre> MLKTLNLGSC VIATNLQEIR NGFSEIRGSV QAKDGNIDIR ILRRTESLQD TKPANRCCLL RHLRLRLYLDR VFKNYQTPDH YTLRKISSLA NSFLTIKKDL RLCHAHMTCH CGEEAMKKYS QILSHFEKLE PQAADVVALG ELDILLQWME ETE </pre>
Biological Activity	The ED ₅₀ is <0.5 ng/mL as measured by murine BaF3 pro-B cells, corresponding to a specific activity of >2.0 × 10 ⁶ units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, pH 7.2, with trehalose.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Overexpression of Interleukin-20 (IL-20) in transgenic (TG) mice causes neonatal lethality with skin abnormalities including aberrant epidermal differentiation. Recombinant IL-20 protein stimulates a signal transduction pathway through STAT3 in a keratinocyte cell line, demonstrating a direct action of this ligand. An IL-20 receptor is identified as a heterodimer of two orphan class II cytokine receptor subunits ^[1] .
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REFERENCES

[1]. Blumberg H, et al. Interleukin 20: discovery, receptor identification, and role in epidermal function. Cell. 2001 Jan 12;104(1):9-19.

Caution: Product has not been fully validated for medical applications. For research use only.

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