

Growth Factor Data Sheet

GoldBio growth factors are manufactured for **RESEARCH USE ONLY** and cannot be sold for human consumption!

Human interleukin-20 (IL20) is encoded by the IL20 gene located on chromosome 1, and belongs to the IL10 family that includes IL10, IL19, IL22, IL24, and IL26. IL20 is secreted by activated keratinocytes and monocytes, and signals through two distinct cell-surface receptor complexes on keratinocytes and other epithelial cells. IL20 has functions of regulating proliferation and differentiation of keratinocytes during inflammation, and causing cell expansion of multipotential hematopoietic progenitor cells. IL20 has also been used to promote tube formation of endothelial cells.

Catalog Number	1110-20
Product Name	IL20, Human Recombinant Human Interleukin-20 IL20 Interleukin 20
Source	<i>Escherichia coli</i>
MW	~17.6 kDa (153 amino acids)
Sequence	MLKTLNLGSC VIATNLQEIR NGFSEIRGSV QAKDGNIDIR ILRRTESLQD TKPANRCCLL RHLLRLYLDR VFKNYQTPDH YTLRKISSLA NSFLTICKDL RLCHAHMTCH CGEEAMKKYS QILSHFEKLE PQAADVVKALG ELDILLQWME ETE
Accession Number	Q9NYY1
Purity	>95% by SDS-PAGE and HPLC analyses
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by a cell proliferation assay using human IL-20R α and human IL-20R β co-transfected murine BaF3 pro-B cells is less than 0.5 ng/ml, corresponding to a specific activity of >2.0 \times 10 ⁶ IU/mg.
Formulation	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
Storage/Handling	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
Reconstitution	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.