

---

## Product Data Sheet

---

Product Name: IL 20 Mouse  
Cat. No.: GP20614  
Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	IL10D; ZCYTO10; IL-20; MGC96907; Four alpha helix cytokine Zcyto10.		
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.		
Solubility	It is recommended to reconstitute the lyophilized Interleukin-20 in sterile 18MΩ-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a concentrated (1mg/ml) solution containing no additives.		

### Introduction

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.

### Biological Activity

The biological activity was determined by measuring the dose dependent activation of STAT3 in human epidermal keratinocytes (HEK2a cells). Significant STAT3 activation is observed with >100ng/mL of Interleukin-20 recombinant mouse, corresponding to a specific activity of 10,000 units/mg of Interleukin-20 recombinant mouse.

### Stability

Lyophilized Interleukin-20 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution IL20 should be stored at 4°C

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

between 2-7 days and for future use below  $-18^{\circ}\text{C}$ . For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Background

Interleukin-20 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 152 amino acids and having a total molecular mass of 17,584 Dalton. The IL-20 is purified by proprietary chromatographic techniques.

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

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**