

Interleukin-20 Mouse Recombinant

Item Number	rAP-0571
Synonyms	IL10D, ZCYTO10, IL-20, MGC96907, Four alpha helix cytokine Zcyto10.
Description	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.
Uniprot Accession Number	Q9JKV9
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.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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 between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a concentrated (1mg/ml) solution containing no additives. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Interleukin-20 in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
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 s
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**