



Interleukin-20 Human Recombinant

Item Number	rAP-0560
Synonyms	IL10D, ZCYTO10, IL-20, MGC96907, Four alpha helix cytokine Zcyto10.
Description	Interleukin-20 Human Recombinant produced in E.Coli is a single, non-glycosylated homodimeric polypeptide chain containing 2 x 153 amino acids and having a total molecular mass of 35,212 Dalton. The IL-20 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q9NYY1
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 carrier free. 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 H2O at a concentration of 0.5mg/ml or less.
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 100 ng/mL of recombinant human IL-20 corresponding to a Specific Activit
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**