

Recombinant Murine Interleukin-20 (rm IL-20)

Interleukin-20 is a cytokine structurally related to Interleukin 10. IL-20 has been shown to transduce its signal through signal transducer and activator of transcription 3 (STAT3) in keratinocytes. A specific receptor for IL-20 is found to be expressed in skin and upregulated dramatically in psoriatic skin, suggesting a role for this protein in epidermal function and psoriasis.

Recombinant murine IL-20 produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 152 amino acids and having a molecular mass of 17584 Dalton.

Synonyms :	IL-10D, Four alpha helix cytokine Zcyto10 (ZCYTO10)
Source:	<i>Escherichia coli</i>
AA Sequence:	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Leu-Lys-Thr-Leu.
Formulation:	Lyophilisate from a 0.22 µm filtered carrier free solution in 25 mM sodium phosphate pH 6.5 + 200mM NaCl
Reconstitution:	Reconstitute in sterile endotoxin free water not less than 100 µg/ml
Stability:	The lyophilized protein is stable for at least 2 years at -20°C. Reconstituted rm IL-20 is stable for at least 3 months when stored in concentrated working aliquots (100 ng/µl or higher) at -20°C. Avoid repeated freeze/thaw cycles.
Biological Activity:	Determined by measuring the dose-dependent activation of STAT3 in human epidermal keratinocytes (HEK2a cells). Significant STAT3 activation is observed with >100ng/ml of rm IL-20.
Purity:	95% (verified by SDS-PAGE / silver stain)
Endotoxicity:	The endotoxin level is less than 0.1 ng per µg (1EU/µg) determined by LAL method
Order N°:	rm IL-20+Size available sizes: 2 µg, 10 µg, 50 µg

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