

## Recombinant Human IL20, His-tagged

Cat. No. IL20-29777TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length mature Human IL20 with His tag produced in the endosperm tissue of barley grain ; 169 amino acids with tag, Predicted MWt 19.8 kDa.
<b>Species</b>	Human
<b>Description</b>	The protein encoded by this gene is a cytokine structurally related to interleukin 10 (IL10). This 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.
<b>Conjugation</b>	HIS
<b>Tissue specificity</b>	Expressed at very low levels in skin, trachea, and other tissues.
<b>Biological activity</b>	Bioactivity:For this bioassay, a lymphoma cell line (BW5147) stably transfected with both chains of the IL20 receptor was used. To measure IL20 activity, these cells were transiently transfected with a luciferase reporter construct which specifically respo
<b>Form</b>	Lyophilised:Reconstitute the lyophilized protein in sterile water to a concentration of no less than 100 µg/ml. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
<b>Purity</b>	>95% by SDS-PAGE

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<b>Storage buffer</b>	Preservative: None Constituents: PBS, pH 7.2
<b>Storage</b>	The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C.
<b>Sequence Similarities</b>	Belongs to the IL-10 family.
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	IL20 interleukin 20 [ Homo sapiens ]
<b>Official Symbol</b>	IL20
<b>Synonyms</b>	IL20; interleukin 20; interleukin-20; IL 20; IL10D; ZCYTO10;
<b>Gene ID</b>	50604
<b>mRNA Refseq</b>	NM_018724
<b>Protein Refseq</b>	NP_061194
<b>MIM</b>	605619
<b>Uniprot ID</b>	Q9NYY1
<b>Chromosome Location</b>	1q32
<b>Pathway</b>	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-

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cytokine receptor interaction, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;

**Function**

cytokine activity; interleukin-20 receptor binding; receptor binding;

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