

## IL-20RB Protein, Human, Recombinant (hFc)

## General Information

Synonyms:	DIRS1;IL-20R- $\beta$ ;Interleukin-20 receptor subunit $\beta$ ;IL-20 receptor subunit beta;IL-20RB;interleukin-20 receptor II;hCG_2022374;fibronectin type III domain containing 6;IL-20 receptor subunit $\beta$ ;Interleukin-20 receptor subunit beta;MGC34923;FNDC6;IL-20R-beta;IL-20R2
Protein Construction:	Asp30-Ala230
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q6UXL0
Molecular Weight:	60-85 KDa (reducing condition)
AA Sequence:	Asp30-Ala230

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 90% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) as determined by LAL test.
Formulation:	Supplied as a 0.2 $\mu$ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

## Preparation and Storage

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

Proteins are shipped with blue ice.

## Protein Background

Interleukin-20 receptor subunit beta (IL20RB) is a single-pass type I membrane protein and belongs to the type II cytokine receptor family. It contains 2 fibronectin type-III domains. There are two kinds of type II cytokine receptors : cytokine receptors that bind type I and type II interferons; cytokine receptors that bind members of the interleukin-10 family (interleukin-10, interleukin-20 and interleukin-22). Type II cytokine receptors are similar to type I cytokine receptors except they do not possess the signature sequence WSXWS that is characteristic of type I receptors. They are expressed on the surface of certain cells, which bind and respond to a select group of cytokines. These receptors are related predominantly by sequence similarities in their extracellular portions that

are composed of tandem Ig-like domains. The intracellular domain of type II cytokine receptors is typically associated with a tyrosine kinase belonging to the Janus kinase (JAK) family.

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