

IL-20RB Protein, Cynomolgus, Recombinant (His)

General Information

Synonyms:	interleukin 20 receptor beta;interleukin 20 receptor β
Protein Construction:	The cynomolgus IL20RB (XP_005545913.1) (Asp30-Ala230) was expressed with a polyhistidine tag at the C-terminus.
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	XP_005545913.1
Molecular Weight:	23.9 kDa (predicted)

QC Testing

Biological Activity:	Testing in progress
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. 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 proteinsolutions, 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.

Shipping:

In general, Lyophilized powders are shipping with blue ice.

Protein Background

IL20RB belongs to the type II cytokine receptor family. 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. IL20RB and IL20RA form a heterodimeric receptor for interleukin-20.

Reference

Zhu H,et al.(2009) Expression pattern of mda-7/IL-24 receptors in liver cancer cell lines. Hepatobiliary Pancreat Dis Int. 8(4):402-6.