Recombinant Human IL20

Cat No:HR2R1577

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	IL20
Gene ID	50604
Accession	Q9NYY1
Alternative Name	IL-20, Cytokine Zcyto10, ZCYTO10 Recombinant Human Interleukin-20 (IL20)
Species	Human
Source	E. coli
Description	IL-19 and IL-20 are mainly produced by activated monocytes, IL-24 is produced by Th2 cells, monocytes, and melanocytic cells, and IL-22 and IL-26 are primarily produced by activated T cells. Like IL-10, these class II cytokines signal through heterodimeric receptors. Overexpression of IL-20 in transgenic mice causes neonatal death as well as skin abnormalities, including aberrant epidermal differentiation. IL-20 selectively enhances multipotential hematopoietic progenitors in vitro and in vivo. IL-20 is preferentially expressed in monocytes18 and induces STAT 3 activation through binding to two types of IL-20 receptor (R) complexes, either IL-20R1/IL-20R2 or IL-22R1/IL-20R2
Functions	The ED(50) was determined by by a cell proliferation assay using human IL-20R-alpha and human IL-20R-beta co-transfected murine BaF3 pro-B cells, and was found to be less than 0.6 ng/mL, corresponding to a specific activity of 1.7 x 10^6 IU/mg.
Formulation	Recombinant Human Interleukin-17 was lyophilized from a 0.2 ?m filtered PBS solution pH 7.5.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	16
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.