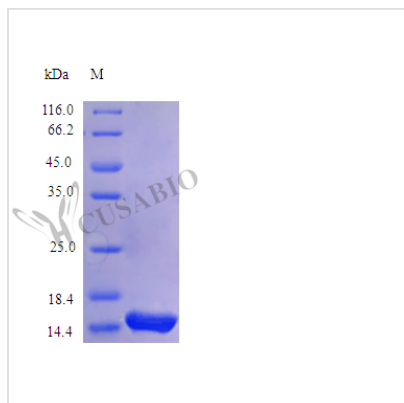




# Recombinant Human Interleukin-21 protein (IL21) (Active)

<b>Product Code</b>	CSB-AP001881HU
<b>Abbreviation</b>	Recombinant Human IL21 protein (Active)
<b>Uniprot No.</b>	Q9HBE4
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered PBS, pH 7.4
<b>Product Type</b>	Interleukin
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human N1186 T cells is less than 20 ng/ml, corresponding to a specific activity of $>5.0 \times 10^4$ IU/mg.
<b>Purity</b>	$>97\%$ as determined by SDS-PAGE.
<b>Sequence</b>	QGQDRHMIRM RQLDIVDQL KNYVNDLVPE FLPAPEDVET NCEWSAFSCF QKAQLKSANT GNNERIINVS IKKLKRKPPS TNAGRRQKHR LTCPSCDSYE KKPPKEFLER FKSLLQKMIH QHLSSRTHGS EDS
<b>Research Area</b>	Immunology
<b>Source</b>	E.coli
<b>Target Names</b>	IL21
<b>Expression Region</b>	23-155aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag-Free
<b>Mol. Weight</b>	15.4 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>PubMed ID</b>	11081504; 17673207; 15815621; 15489334; 15178704; 15147560; 17565991; 22235133; 24746753

**Image**


**Endotoxin**

Less than 1.0 EU/μg as determined by LAL method.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.