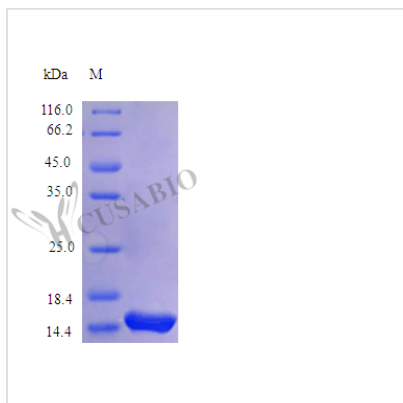




Recombinant Human Interleukin-21 protein (IL21) (Active)

Product Code	CSB-AP001881HU
Abbreviation	Recombinant Human IL21 protein (Active)
Uniprot No.	Q9HBE4
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered PBS, pH 7.4
Product Type	Interleukin
Immunogen Species	Homo sapiens (Human)
Biological Activity	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.
Purity	$\geq 97\%$ as determined by SDS-PAGE.
Sequence	QGQDRHMIRM RQLIDIVDQL KNYVNDLVPE FLPAPEDVET NCEWSAFSCF QKAQLKSANT GNNERIINVS IKKLKRKPPS TNAGRRQKHR LTCPSCDSYE KKPPKEFLER FKSLQKMIH QHLSSRTHGS EDS
Research Area	Immunology
Source	E.coli
Target Names	IL21
Expression Region	23-155aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	15.4 kDa
Protein Length	Full Length of Mature Protein
PubMed ID	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.