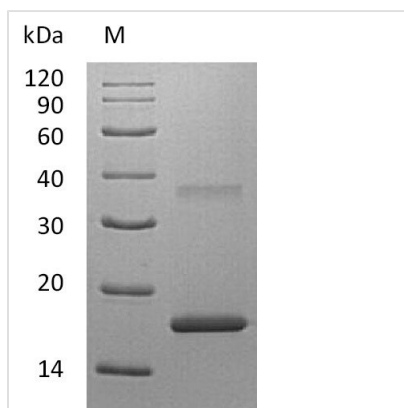




Recombinant Human Interleukin-7 (IL7) (Active)

Product Code	CSB-AP004441HU
Abbreviation	Recombinant Human IL7 protein (Active)
Uniprot No.	P13232
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μm filtered 20mM PB, 300mM NaCl, pH 8.0.
Product Type	Interleukin
Immunogen Species	Homo sapiens (Human)
Biological Activity	The ED50 as determined in a cell proliferation assay using PHA-activated human peripheral blood lymphocytes (PBL) is 0.02-0.08 ng/ml.
Purity	≥ 95% as determined by SDS-PAGE.
Sequence	DCDIEGKDGKQYESVLMVSIQQLLDSTMKEIGSNCLNNEFNFFKRHICDANKEG MFLFRAARKLRQFLKMNSTGDFDLHLLKVSEGTILLNCTGQVKGRKPAALGE AQPTKSLEENKSLKEQKLLNDLCFLKRLLEIKTCWNKILMGTKEH
Research Area	Immunology
Source	E.coli
Target Names	IL7
Expression Region	26-177aa
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	17.5 kDa
Protein Length	Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.