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Human IL-7 Recombinant Protein (85-197)

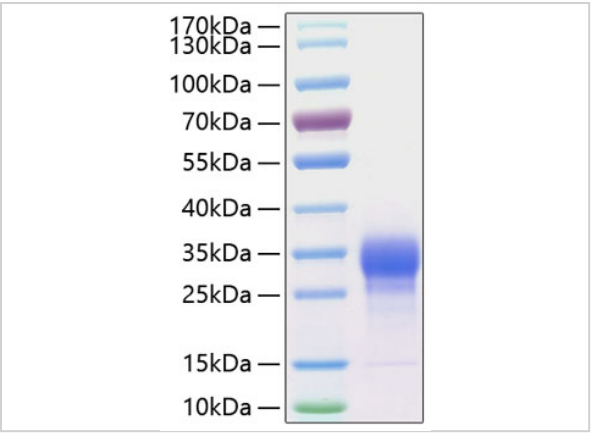
CATALOG NUMBER: 85-197

Specifications

Species	Human
Source Species	HEK293 cells
Fusion Tag	C-His
Tested Applications	Bioactivity Test, ELISA, Immunogen, SDS-PAGE, WB
Predicted Molecular Weight	18.23 kDa
Biological Activity	1.Measured by its binding ability in a functional ELISA.Immobilized Human IL7 at 2 μg/mL (100 μL/well) can bind human IL7R with a linear range of 0.97 -159.1 ng/mL. 2.Measured in a cell proliferation assay using IL-2-activated mouse spleen cell. The ED_{50} for this effect is 0.1-0.4 ng/mL, corresponding to a specific activity of 2.5×10^6~1×10^7 units/mg. 3.Measured in a cell proliferation assay using murine 2E8 cells. The ED_{50} for this effect is 0.78-3.1ng/mL, corresponding to a specific activity of 3.23×10^5~1.28×10^6 units/mg.

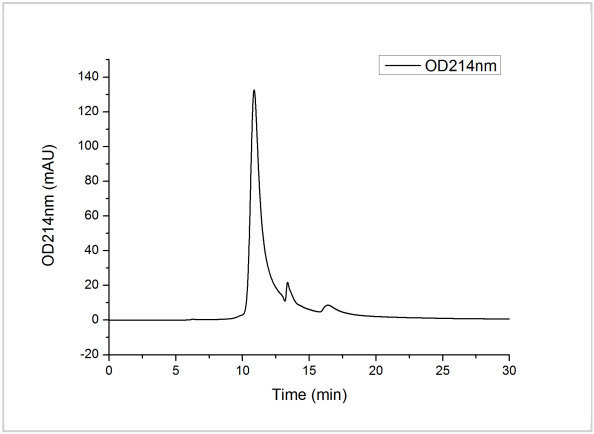
Properties

Purity	≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.
Physical State	Lyophilized
Buffer	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.
Storage Conditions	Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.



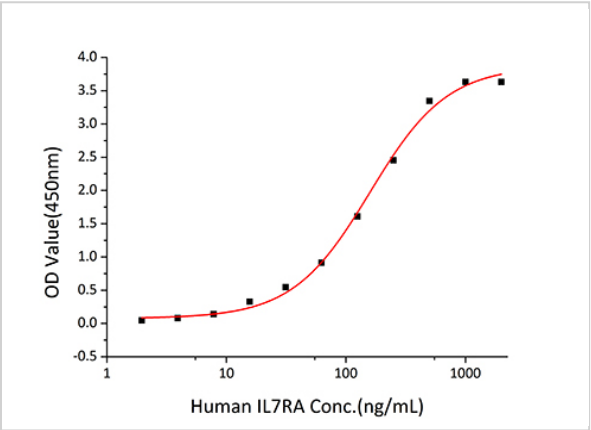
85-197_1

Recombinant Human IL-7 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



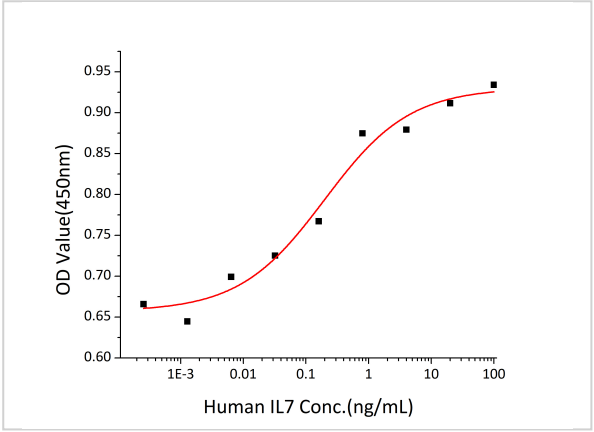
85-197_2

The purity of Human IL-7 Protein (Cat.85-197) was greater than 90% as determined by SEC-HPLC.



85-197_3

Immobilized Human IL7 at 2 μg/mL (100 μL/well) can bind human IL7R with a linear range of 0.97 -159.1 ng/mL.



85-197_4

Recombinant Human IL-7 stimulates cell proliferation of the IL-2(Catalog: 85-441)-activated mouse spleen cell. The ED_{50} for this effect is 0.1-0.4 ng/mL, corresponding to a specific acti...

Disclaimer

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