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Human IL-1 beta Recombinant Protein (84-800)

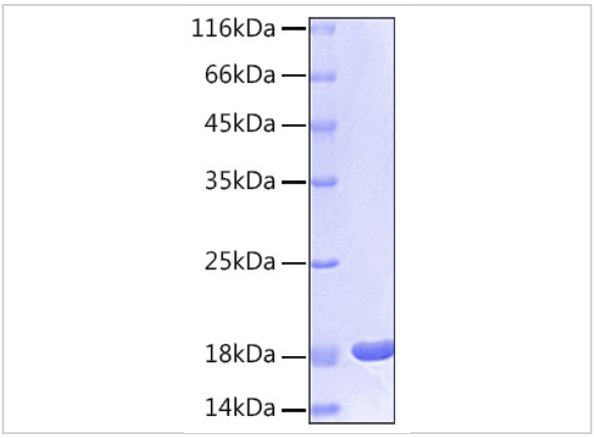
CATALOG NUMBER: 84-800

Specifications

Species	Human
Source Species	E. coli
Fusion Tag	C-His
Tested Applications	Bioactivity Test, ELISA, Immunogen, SDS-PAGE, WB
Predicted Molecular Weight	18.22 kDa
Biological Activity	1.Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED_{50} for this effect is 6.04-24.16 pg/mL, corresponding to a specific activity of 4.14×10^{7}~1.66×10^{8} units/mg. 2.Measured by its binding ability in a functional ELISA. Immobilized Human IL-1 beta at 10 μg/mL (100 μL/well) can bind Biotinylated Human IL-1R1 with a linear range of 0.002-1 μg/mL.

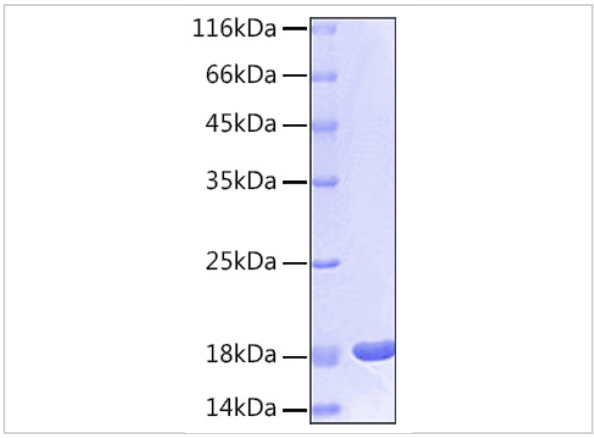
Properties

Purity	≥ 95 % as determined by SDS-PAGE;≥ 95 % 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.



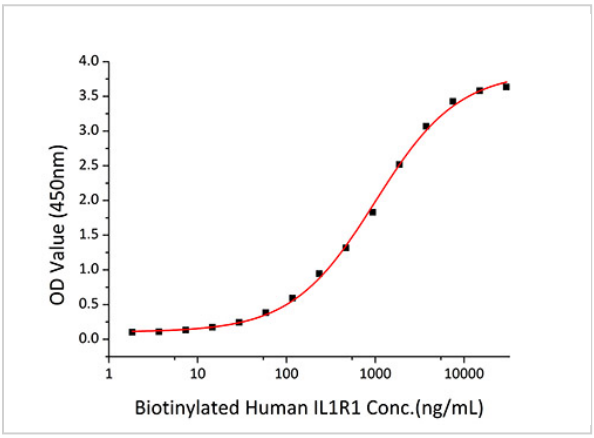
84-800_1

Recombinant Human IL-1 beta Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



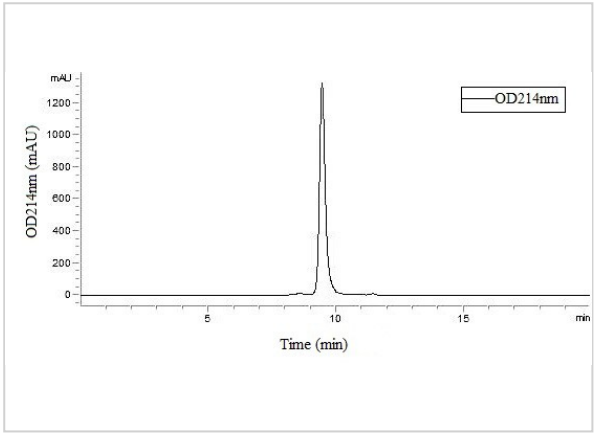
84-800_2

Recombinant Human IL-1 beta Protein is greater than 95% as determined by SEC-HPLC.



84-800_3

Immobilized Human IL-1 beta (Catalog: 84-800) at 10 μg/mL (100 μL/well) can bind Biotinylated Human IL-1R1 (Catalog: 85-193) with a linear range of 0.002-1 μg/mL.



84-800_4

Recombinant Human IL-1 beta promotes the proliferation of D10.G4.1 mouse helper T cells. The ED_{50} for this effect is 6.04-24.16 pg/mL, corresponding to a specific activity of 4.14×10

Disclaimer

Disclaimer	Products are intended for laboratory research purposes only and should be used by qualified personnel only. They are not intended for use in humans. ProSci is not liable for damages or injuries resulting from receipt and/or use of ProSci materials. Please refer to the Material Safety Data Sheet (MSDS) for safe storage, handling, and use procedures.

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