

Recombinant Human IL6 Protein (Val30-Met212), Tag Free, Biotinylated conjugated

Product Information

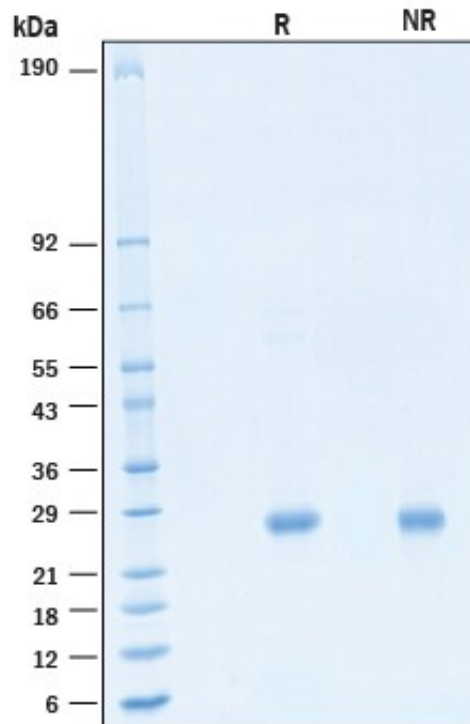
Cat	IMP-10562
Official Symbol	IL6
Product Overview	<i>Biotinylated recombinant human IL-6 protein (Val30-Met212) without tag was expressed in human embryonic kidney cell.</i>
Description	<i>This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. Elevated levels of the encoded protein have been found in virus infections, including COVID-19 (disease caused by SARS-CoV-2).</i>
Expression System	HEK293
Species	Human
Tag	Tag Free
Predicted N Terminal	Ala28 & Val30
Form	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Conjugate	Biotinylated
Molecular Mass	Predicted Molecular Mass: 21 kDa SDS-PAGE: 21-30 kDa, under reducing conditions.
Protein length	Val30-Met212
Bio-activity	<i>Measured by its binding ability in a functional ELISA. When Recombinant Human IL-6R alpha His-tag is immobilized at 0.25 µg/mL (100 µL/well), Biotinylated Recombinant Human IL-6 binds with an ED50 of 2.00-16.0 ng/mL.</i>
Endotoxin	
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
Notes	Biotinylated via amines

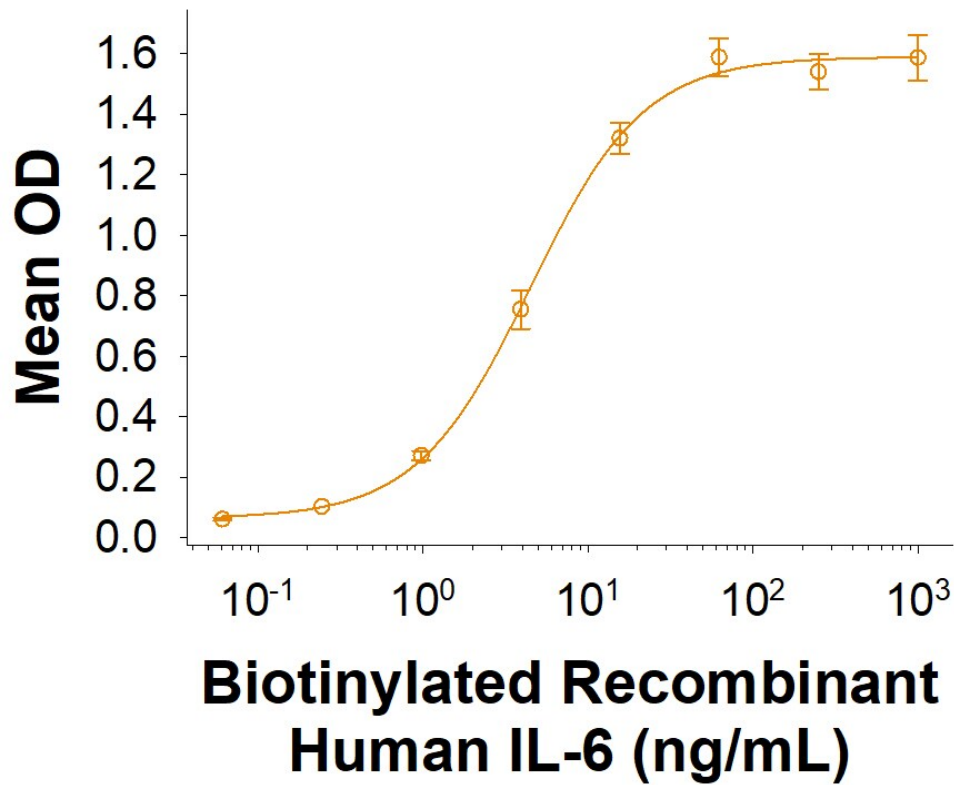
Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution

Reconstitute at 500 µg/mL in PBS.

SDS-PAGE**Bioactivity-ELISA 1**



Measured by its binding ability in a functional ELISA. When Recombinant Human IL-6R alpha His-tag is immobilized at 0.25 µg/mL (100 µL/well), Biotinylated Recombinant Human IL-6 binds with an ED50 of 2.00-16.0 ng/mL.