

Recombinant Human EGFR Protein (Leu25-Ser645), C-Fc-tagged

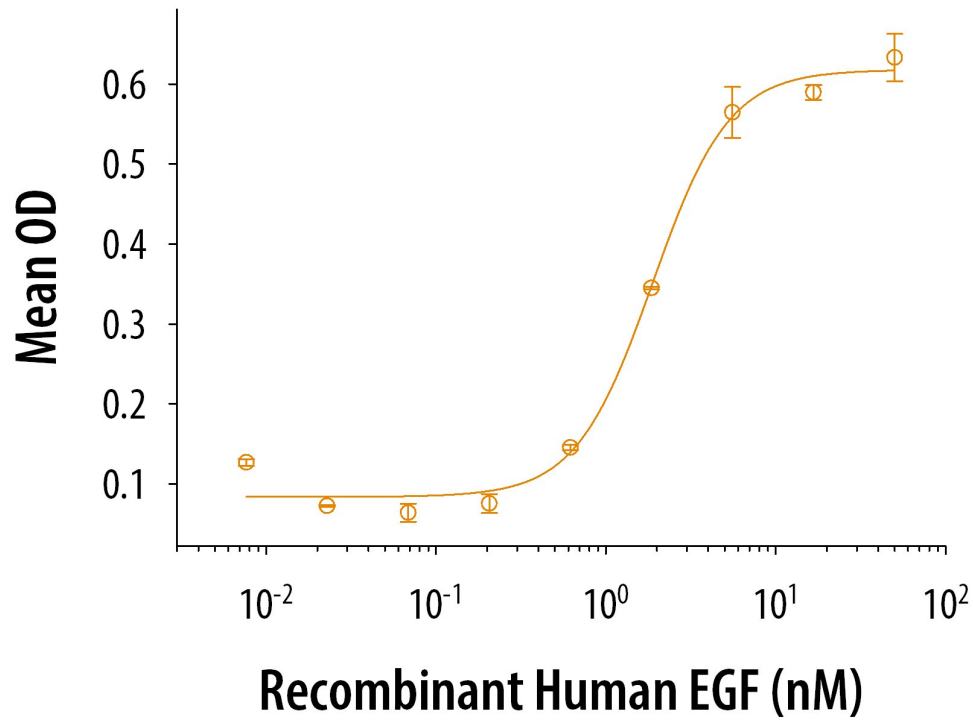
Product Information

Cat	IMP-9765
Official Symbol	EGFR
Product Overview	Recombinant human EGFR protein (Leu25-Ser645) with a human IgG1-Fc (Pro100-Lys330) Fc tag at C-terminus was expressed in Mouse myeloma cell line.
Description	The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor, thus inducing receptor dimerization and tyrosine autophosphorylation leading to cell proliferation. Mutations in this gene are associated with lung cancer. EGFR is a component of the cytokine storm which contributes to a severe form of Coronavirus Disease 2019 (COVID-19) resulting from infection with severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2).
Expression System	Mouse myeloma cell line
Species	Human
Tag	C-Fc
Predicted N Terminal	Leu25
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Molecular Mass	Predicted Molecular Mass: 95.1 kDa (monomer) SDS-PAGE: 125-145 kDa, under reducing conditions.
Protein length	Leu25-Ser645
Bio-activity	Measured by its ability to bind recombinant human EGF in a functional ELISA with an estimated Kd
Endotoxin	
Purity	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
Notes	Disulfide-linked homodimer
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 100 µg/mL in sterile PBS.

Bioactivity-ELISA



Measured by its ability to bind recombinant human EGF in a functional ELISA with an estimated K_d