Recombinant Mouse EGFR Protein (Leu25-Ser647), C-hFc-tagged

Product Information

Cat	*IMP-9671*
Official Symbol	*Egfr*
Product Overview	*Recombinant Mouse EGFR protein (Leu25-Ser647) with a Human IgG1 (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	*Mouse*
Tag	*C-hFc*
Predicted N Terminal	*Leu25*
Form	*Lyophilized from a 0.2 μm filtered solution in PBS.*
Molecular Mass	*Predicted Molecular Mass: 95.9 kDa (monomer) SDS-PAGE: 135-150 kDa, reducing conditions*
Protein length	*Leu25-Ser647*
Bio-activity	*Measured by its ability to bind recombinant human EGF in a functional ELISA with an estimated Kd of*
Endotoxin	
Purity	*>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.*
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.*

45-1 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-559-9269 1-516-512-3133 E-mail: info@creative-biomart.com

Reconstitution	*Reconstitute at 100 µg/mL in sterile PBS.*

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