

Active Recombinant Cynomolgus ERBB2 protein, hFc-tagged

Cat. No. ERBB2-1216C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus ERBB2 Protein (1-652aa), was expressed in HEK293 with C-terminal hFc tag.
Species	Cynomolgus
Source	HEK293
ProteinLength	1-652 aa
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Immobilized Her2/ERBB2 Protein, Cynomolgus, Recombinant (ECD, hFc Tag)(Cat:90295-C02H) at 2 µg/ml (100 µl/well) can bind Anti-ErbB2 Antibody (Trastuzumab)(Cat:68046-H002), the EC50 is 15-70 ng/mL. 2. Measured by its ability to block anti-ErbB2 mediated inhibition of BT474 human breast ductal carcinoma cell proliferation. The ED50 for this effect is 0.3-1.8 µg/mL in the presence of 0.6 µg/mL Anti-ErbB2/Her2 Monoclonal Antibody.
Molecular Mass	The recombinant cynomolgus ERBB2 consists 871 amino acids and predicts a molecular mass of 96.4 kDa.
Endotoxin	< 1.0 EU per

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	µg protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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