

## Active Recombinant Rhesus ERBB2 protein, His-tagged

Cat. No. ERBB2-4113R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Rhesus ERBB2 Protein (XP_001090430.1, 1-652aa), was expressed in HEK293 with His tag.
<b>Species</b>	Rhesus macaque
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-652 aa
<b>Form</b>	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.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Rhesus Her2/ERBB2 His at 2 µg/ml (100 µl/well) can bind Herceptin, the EC50 of Herceptin is 10-50 ng/mL.
<b>Molecular Mass</b>	The recombinant Rhesus ErbB2 consists of 640 amino acids and predicts a molecular mass of 70.7 kDa. As a result of glycosylation, rhesus ErbB2 migrates as an approximately 105 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE. > 90 % as determined by SEC-HPLC.

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**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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