

# Cynomolgus HER2/ErbB2 (His Tag) recombinant protein



Catalog Number: 504117

## General Information

### Protein Construction

A DNA sequence encoding the cynomolgus ERBB2 (Met1-Thr652) [similar to *Macaca fascicularis* ERBB2 (EHH58073.1)] was expressed with a polyhistidinetag at the C-terminus.

### Organism

Cynomolgus

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized Cynomolgus ERBB2-His at 10 µg/ml (100 µl/well) can bind Herceptin, The EC<sub>50</sub> of Herceptin is 16.4-38.4 ng/ml.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Thr 23

## Molecular Mass

The recombinant cynomolgus ERBB2 comprises 641 amino acids and has a calculated molecular mass of 70.8 KDa. The apparent molecular mass of it is approximately 80-105 KDa in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile PBS, pH 7.4.  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

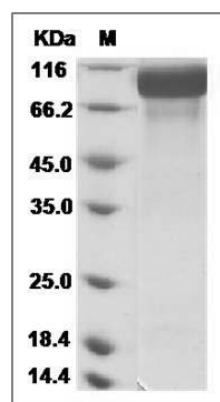
### Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



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