# Rat HER2/ErbB2 recombinant protein

Catalog Number: 503684



# **General Information**

## Gene Name Synonym

Epidermal growth factor receptor-related protein; Proto-oncogene Neu; Proto-oncogene c-ErbB-2; p185erbB2; p185neu

### **Protein Construction**

A DNA sequence encoding the rat ErbB2 (AAH61863.1) extracellular domain (Met 4-Thr 656) was expressed and purified, with seven additional amino acids (ALEVLFQ) at the C-terminus.

# **Organism**

Rat

## **Expression Host**

**Human Cells** 

# **QC Testing**

### **Purity**

> 92 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

# **Stability**

Samples are stable for up to twelve months from date of receipt at -70  $^{\circ}$ C

### Predicted N terminal

Thr 26

### **Molecular Mass**

The recombinant rat ErbB2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 638 amino acids and predicts a molecular mass of 70.6 kDa. The apparent molecular mass of the rat ErbB2 is approximately 95-105 kDa in SDS-PAGE under reducing conditions due to glycosylation.

#### **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**

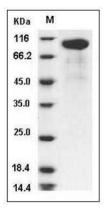
# **Storage**

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**



Rat HER2 / ErbB2 Protein SDS-PAGE