

Rat HER3/ErbB3 (Fc Tag) recombinant protein



Catalog Number: 502067

General Information

Gene Name Synonym

Proto-oncogene-like protein c-ErbB-3

Protein Construction

A DNA sequence encoding the rat ERBB3 (Q62799) (Met1-His641) was expressed, fused with the Fc region of human IgG1 at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA.

1. Immobilized rat ERBB3-Fc (Cat: 502067) at 10 µg/ml (100 µl/well) can bind biotinylated human NRG1 (isoform Beta1) (Cat: 503891) with a linear range of 0.018-0.125 µg/ml.
2. Immobilized rat ERBB3-Fc (Cat: 502067) at 10 µg/ml (100 µl/well) can bind biotinylated human NRG1 (aa 2-246)-Fc (Cat: 504102) with a linear range of 0.018-0.25 µg/ml.

Purity

> 80 % 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

Ser 20

Molecular Mass

The recombinant rat ERBB3/Fc is a disulfide-linked homodimer. The reduced monomer comprises 863 amino acids and has a predicted molecular mass of 95.5 kDa. The apparent molecular mass of the protein is approximately 115 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

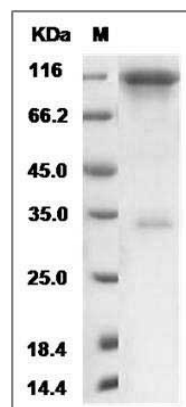
Storage

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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