

Mouse ErbB4/HER4 (His Tag) recombinant protein



Catalog Number: 500766

General Information

Gene Name Synonym

DC-HIL; Dendritic cell-associated transmembrane protein; Osteoactivin

Protein Construction

A DNA sequence encoding the mouse ERBB4 (Q99P91) (Met1-Leu652) was expressed with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA.

Immobilized mouse ERBB4-His at 10 µg/ml (100 µl/well) can bind biotinylated human NRG1 (Cat:503891), The EC₅₀ of biotinylated human NRG1 (Cat:503891) is 0.55-1.29 µg/ml.

Purity

> 95 % 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

Gln 26

Molecular Mass

The recombinant mouse ERBB4 comprises 638 amino acids and has a predicted molecular mass of 71.5 kDa. The apparent molecular mass of the protein is approximately 113 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

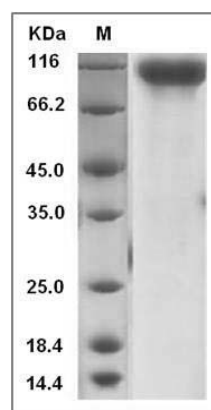
Storage

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



Mouse HER4 / ErbB4 Protein (His Tag) SDS-PAGE