Human ErbB4/HER4 (His Tag) recombinant protein

Catalog Number: 503857

General Information

Gene Name Synonym

Proto-oncogene-like protein c-ErbB-4; Tyrosine kinase-type cell surface receptor HER4; p180erbB4; ERBB4 intracellular domain; s80HER4

Protein Construction

A DNA sequence encoding the human ERBB4 (NP_005226.1) (Met1-Arg649) was expressed with a C-terminal polyhistidine tag. Human and Rhesus ERBB4 sequences are identical.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA.
Immobilized human ERBB4-His (1-649) at 10 μg/ml (100 μl/well) can bind biotinylated human NRG1 (Cat:503891), The EC_{50} of biotinylated human NRG1 (Cat:503891) is 0.49-1.13 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℃

Predicted N terminal

Gln 26

Molecular Mass

The recombinant human ERBB4 comprises 635 amino acids and has a predicted molecular mass of 71.1 kDa. The apparent molecular mass of the protein is approximately 92 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.
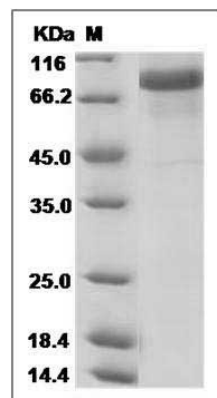2. Please contact us for any concerns or special requirements.

Usage Guide

Storage

Store it under sterile conditions at -20℃ to -80℃. 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

Human / Rhesus HER4 / ErbB4 Protein (His Tag)

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SDS-PAGE