

Human ErbB4/HER4 (Fc Tag) recombinant protein



Catalog Number: 502640

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, fused with the Fc region of human IgG1 at the C-terminus. Human and Rhesus ERBB4 sequences are identical.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind biotinylated human Fc-NRG1 (isoform Beta1) (Cat:504011) in a functional ELISA.
2. Measured by its ability to bind biotinylated human NRG1 (isoform Beta1) (Cat:5040112) in a functional ELISA.
3. Measured by its ability to bind biotinylated human NRG1 (aa 2-246)-Fc (Cat:504102) in a functional ELISA.

Purity

> 85 % 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 human ERBB4/Fc is a disulfide-linked homodimer. The reduced monomer comprises 865 amino acids and has a predicted molecular mass of 96.6 kDa. The apparent molecular mass of the protein is approximately 117 kDa in SDS-PAGE under reducing conditions.

Formulation

- Lyophilized from sterile PBS, pH7.4.
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

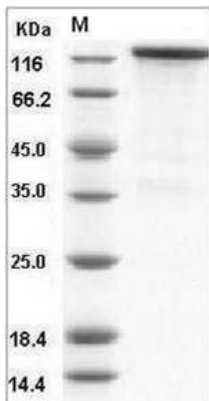
Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE

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SDS-PAGE