## 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  $\mu$ g/ml (100  $\mu$ l/well) can bind biotinylated human NRG1 (Cat:503891), The EC<sub>50</sub> of biotinylated human NRG1 (Cat:503891) is 0.49-1.13  $\mu$ g/ml.

## **Purity**

> 95 % 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**

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**

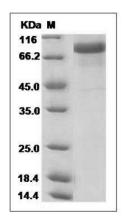
## **Storage**

Store it under sterile conditions at -20°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