

# Active Recombinant Human ERBB4 protein, hFc&His-tagged

Cat. No. ERBB4-2651H Lot. No. (See product label)

## SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Active Recombinant Human ErbB-4/HER4 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Gln26-Arg649) of human Her4/ErbB4 (Accession #NP_005226.1) fused with an Fc, 6xHis tag at the C-terminus.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | HEK293   |
| <b>ProteinLength</b>    | Gln26-Arg649   |
| <b>Form</b>             | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.   |
| <b>Bio-activity</b>     | <p>Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human NRG1-beta1 at 2 µg/mL (100 µL/well) can bind Recombinant Human HER4/ErbB4, the EC50 of HER4/ErbB4 is 20.99 ng/mL.</p> <p>2. Measured by its binding ability in a functional ELISA. Immobilized Human ErbB4/Her4 Antibody at 1 µg/mL (25 µL/well) can bind Human ErbB4/Her4 with a linear range of 0.46-14.6 ng/mL.</p> |
| <b>Molecular Mass</b>   | 130-140 kDa  |
| <b>Endotoxin</b>        | < 0.1 EU/µg of the protein by LAL method.  |
| <b>Purity</b>           | > 97% by SDS-PAGE.   |

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**Storage** Store the lyophilized protein at -20°C to -80 °C for long term.  
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

**Reconstitution** Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## GENE INFORMATION

**Gene Name** ERBB4 v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian) [ Homo sapiens ]

**Official Symbol** ERBB4

**Synonyms** ERBB4; v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian); v erb a avian erythroblastic leukemia viral oncogene homolog like 4; receptor tyrosine-protein kinase erbB-4; proto-oncogene-like protein c-ErbB-4; tyrosine kinase-type cell surface receptor HER4; avian erythroblastic leukemia viral (v-erb-b2) oncogene homolog 4; HER4; p180erbB4; MGC138404;

**Gene ID** 2066

**mRNA Refseq** NM\_001042599

**Protein Refseq** NP\_001036064

**MIM** 600543

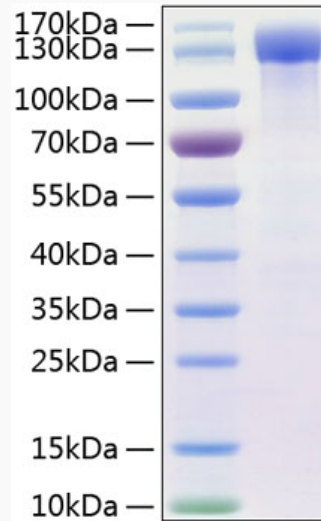
**UniProt ID** Q15303

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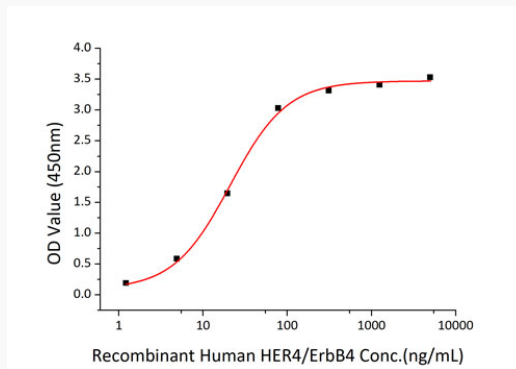
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**SDS-PAGE**



**Bio-activity**



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