

## Active Recombinant Rat ErbB4 protein(Met1-Pro651), hFc-tagged

**Cat. No.** Erbb4-8720R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat ERBB4 (AAQ77349.1)(Met1-Pro651) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Pro651
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Rat ERBB4-Fc at 10 µg/ml (100 µl/well) can bind biotinylated human NRG1, The EC50 of biotinylated human NRG1 is 0.69-1.61 µg/ml.
<b>Molecular Mass</b>	The recombinant Rat ERBB4/Fc is a disulfide-linked homodimer. The reduced monomer comprises 867 amino acids and has a predicted molecular mass of 96.9 kDa. The apparent molecular mass of the protein is approximately 119 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [ErbB4 v-erb-a erythroblastic leukemia viral oncogene homolog 4 \(avian\) \[ Rattus norvegicus \]](#)

**Official Symbol** [ErbB4](#)

**Synonyms** ERBB4; v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian); receptor tyrosine-protein kinase erbB-4; c-erbB-4; receptor tyrosine kinase; proto-oncogene-like protein c-ErbB-4;

**Gene ID** [59323](#)

**mRNA Refseq** [NM\\_021687](#)

**Protein Refseq** [NP\\_067719](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA