

# Recombinant Rat Erbb2 Protein, None-tagged, Alexa Fluor 555 conjugated

**Cat. No.** Erbb2-4099RAF555    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Recombinant Rat Erbb2 Protein extracellular domain (AAH61863.1, 4-656aa), was produced in Human Cell with C-terminal ALEVLFG (7 additional amino acids) and Alexa Fluor 555 conjugated.

**Species**                      Rat

**Source**                        HEK293

**ProteinLength**              4-656 aa

**Form**                          Lyophilized

**Molecular Mass**              The recombinant rat ErbB2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 638 amino acids and predicts a molecular mass of 70.6 kDa. The apparent molecular mass of the rat ErbB2 is approximately 95-105 kDa in SDS-PAGE under reducing conditions due to glycosylation.

**Endotoxin**                      < 1.0 EU/ µg of the protein as determined by the LAL method.

**Characteristic**                  Disulfide-linked homodimer  
Labeled with Alexa Fluor 555 via amines  
With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.

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<b>Stability</b>	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from sterile PBS, pH 7.4
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Alexa Fluor 555
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<i>ErbB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) [ Rattus norvegicus ]</i>
<b>Official Symbol</b>	<i>ErbB2</i>
<b>Gene ID</b>	24337
<b>mRNA Refseq</b>	NM_017003
<b>Protein Refseq</b>	NP_058699

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