

# Recombinant Human ERBB4 Protein, Fc/His-tagged, Alexa Fluor 555 conjugated

**Cat. No.** ERBB4-288HAF555    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Alexa Fluor 555 conjugated recombinant human ERBB4 precursor extracellular domain (Met 1-Pro 651) (NP\_001036064.1), fused with the polyhistidine-tagged Fc region of human IgG1 at the C-terminus, was produced in Human Cell.

**Species**      Human

**Source**      HEK293

**ProteinLength**      871

**Form**      Lyophilized

**Molecular Mass**      The recombinant human ErbB4/Fc is a disulfide-linked homodimeric protein after proteolytic removal of the signal peptide. The reduced monomer consists of 871 amino acids and predicts a molecular mass of 97.5 kDa. As a result of glycosylation, the rh ErbB4/Fc monomer migrates as approximately 125-135 kDa band in SDS-PAGE under reducing conditions.

**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

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	TRITC/Cy3 filters.
<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

## GENE INFORMATION

<b>Gene Name</b>	ERBB4 v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian) [ Homo sapiens ]
<b>Official Symbol</b>	ERBB4
<b>Gene ID</b>	2066
<b>mRNA Refseq</b>	NM_001042599
<b>Protein Refseq</b>	NP_001036064
<b>MIM</b>	600543
<b>UniProt ID</b>	Q15303

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