

# Recombinant Human ERBB2 Protein, His/GST-tagged, Alexa Fluor 488 conjugated

**Cat. No.** ERBB2-176HAF488    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human ErbB2 Protein cytoplasmic domain (NP_004439.2, 676-1255aa), was expressed in Insect Cells with N-terminal His-tagged GST tag and Alexa Fluor 488 conjugate.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	676-1255 aa
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	No Kinase Activity
<b>Molecular Mass</b>	The recombinant human ErbB2 (676-1255)/GST chimera consists of 817 amino acids and predicts a molecular mass of 92 kDa. It migrates as an approximately 100 kDa band in SDS-PAGE under reducing conditions.
<b>N-terminal Sequence Analysis</b>	Gln 26
<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.
<b>Purity</b>	> 75 % as determined by SDS-PAGE

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<b>Characteristic</b>	<p>Disulfide-linked homodimer</p> <p>Labeled with Alexa Fluor 488 via amines</p> <p>Excitation Wavelength: 488 nm</p> <p>Emission Wavelength: 515-545 nm</p>
<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 20 mM Tris, 500 mM NaCl, 2 mM GSH, 10% gly, pH 8.0, 5%-8% trehalose and mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Alexa Fluor 488

## GENE INFORMATION

<b>Gene Name</b>	ERBB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) [ Homo sapiens ]
<b>Official Symbol</b>	ERBB2
<b>Synonyms</b>	ERBB2; v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian); NGL, v erb b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog); receptor tyrosine-protein kinase erbB-2; CD340; HER 2; HER2; NEU; herstatin; p185erbB2; proto-oncogene Neu; c-erb B2/neu protein; proto-

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oncogene c-ErbB-2; metastatic lymph node gene 19 protein; tyrosine kinase-type cell surface receptor HER2; neuroblastoma/glioblastoma derived oncogene homolog; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog); NGL; TKR1; HER-2; MLN 19; HER-2/neu;

**Gene ID** 2064

**mRNA Refseq** NM\_001005862

**Protein Refseq** NP\_001005862

**MIM** 164870

**UniProt ID** P04626

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