

# Recombinant Human ERBB2 protein, His-tagged, Site-Specific AF 488-Labeled

Cat. No. ERBB2-2848H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

Recombinant Human ERBB2 Protein (NP\_004439.2, 1-652aa), was expressed in HEK293 with C-terminal polyhistidine tag and site-specific AF 488 conjugate.

### Species

Human

### Source

HEK293

### ProteinLength

1-652 aa

### Tag

C-His

### Form

This product is Lyophilized from sterile PBS, pH 7.4, with 5 %-8 % trehalose.

### Bio-activity

1. Flow cytometric analysis of anti-ERBB2 CAR expression. 293 cells were lentivirally transduced with anti-ERBB2 CAR. Flow cytometric analysis was performed with a negative control protein and AF 488-conjugated human ERBB2 protein, respectively. Non-transduced 293 cells were used as a control (left).
2. Binding activity of PE-conjugated EGFR protein to PBMC cells. PBMC cells were stained with anti-CD3 antibody and AF 488-conjugated human EGFR protein and detected by flow cytometry. PBMC cells stained with anti-CD3 antibody were used as a control (left).

### Molecular Mass

The protein has a predicted molecular mass of 72.8 kDa.

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<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	≥ 90 % as determined by SDS-PAGE.
<b>Storage</b>	Twelve months from date of receipt at -20°C to -70°C in lyophilized form and 3 months at -70°C under sterile conditions after reconstitution. Protect from prolonged exposure to light and avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	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

<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-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;
<b>Gene ID</b>	2064
<b>mRNA Refseq</b>	NM_001005862

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<b>Protein Refseq</b>	NP_001005862
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<b>MIM</b>	164870
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<b>UniProt ID</b>	P04626
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