

# Active Recombinant Human ERBB2 protein, hFc-tagged, Low Endotoxin

**Cat. No.** ERBB2-033H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ERBB2 protein(P04626-1)(Thr23-Thr652), fused with C-terminal hFc tag, was expressed in HEK293.                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                |
| <b>ProteinLength</b>    | 23-652 aa                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                        |
| <b>Bio-activity</b>     | Immobilized Human Her2, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-Her2 Antibody, hFc Tag with the EC50 of 0.20µg/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 96.1 kDa. Due to glycosylation, the protein migrates to 100-120 kDa based on Bis-Tris PAGE result.                                                  |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.                                                                                                                                           |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC                                                                                                                     |
| <b>Storage</b>          | Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3                                                                                                     |

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months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Reconstitution** Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

**Gene Name** ERBB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) [ Homo sapiens ]

**Official Symbol** ERBB2

**Synonyms** 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;

**Gene ID** 2064

**mRNA Refseq** NM\_001005862

**Protein Refseq** NP\_001005862

**MIM** 164870

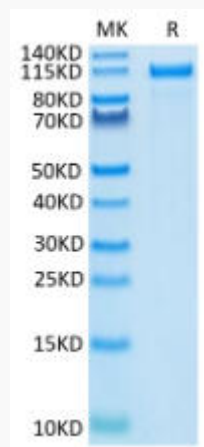
**UniProt ID** P04626

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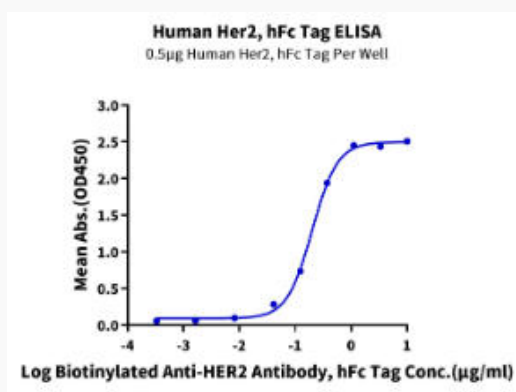
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## Bis-Tris PAGE



## ELISA Data



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