

## Recombinant Human ERBB2 protein, His-tagged

**Cat. No.** ERBB2-193H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ERBB2 Protein (P04626-1, 498-648aa), was expressed in HEK293 with His tag.                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 489-648 aa                                                                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.                                                                                                                      |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 18.5 kDa. The protein migrates as 28-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. This protein has been verified not recognized by Pertuzumab in functional ELISA at ACROBiosystems. |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                      |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.                                                                                                                                                                                                                 |
| <b>Storage</b>          | This product is stable after storage at:<br>-20°C to -70°C for 12 months in lyophilized state;<br>-70°C for 3 months under sterile conditions after reconstitution.                                                                             |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                                        |

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

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