

# Recombinant Human ERBB2 Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** ERBB2-41HAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Recombinant Human ERBB2 Protein extracellular domain (NP_004439.2, 1-652aa), was produced in Human Cell with C-terminal human IgG1 Fc tag and Alexa Fluor 647 conjugated.                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-652 aa                                                                                                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | The recombinant human ErbB2/Fc chimera is a disulfide-linked homodimeric protein generated by proteolytic removal of the signal peptide. The monomer comprises 868 amino acids and has a calculated molecular mass of 96.1 kDa. As a result of glycosylation, the monomer migrates as an approximately 130-140 kDa protein in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                                                                                                                                      |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 nm<br>Emission = 668 nm                                                                                                                                                                                                                                                 |

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 647                                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                           |
| <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>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                                                                                                                                                                    |