

# Recombinant Monkey ERBB2 Protein, His-tagged, Alexa Fluor 555 conjugated

**Cat. No.** ERBB2-4113RAF555    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rhesus ERBB2 Protein extracellular domain (XP_001090430.1, 1-652aa), was produced in Human Cell with C-terminal His tag and Alexa Fluor 555 conjugated.                                                                                       |
| <b>Species</b>          | Monkey                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 1-652 aa                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | The recombinant Rhesus ErbB2 consists of 640 amino acids and predicts a molecular mass of 70.7 kDa. As a result of glycosylation, rhesus ErbB2 migrates as an approximately 105 kDa band 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 555 via amines<br>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters. |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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 555                                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                           |
| <b>Gene Name</b>        | ERBB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) [ Macaca mulatta (Rhesus monkey) ]                   |
| <b>Official Symbol</b>  | ERBB2                                                                                                                                                                     |
| <b>Gene ID</b>          | 697573                                                                                                                                                                    |
| <b>mRNA Refseq</b>      | XM_002800451                                                                                                                                                              |
| <b>Protein Refseq</b>   | XP_002800497                                                                                                                                                              |

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