

## Active Recombinant Mouse Erbb2 protein, hFc-tagged

**Cat. No.** Erbb2-2514M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Erbb2 Protein (P70424, 1-653aa), was expressed in HEK293 with C-terminal hFc tag.                                                                                                                                                                                                                              |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1-653 aa                                                                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                         |
| <b>Bio-activity</b>     | Measured by its ability to bind Anti-Erbb2 Antibody (Pertuzumab) in functional ELISA.                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | The secreted recombinant mouse ERBB2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 872 amino acids and has a calculated molecular mass of 96.7 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 120-130 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                 |

 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

**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C  
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** 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

**Gene Name** [ErbB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog \(avian\) \[ Mus musculus \]](#)

**Official Symbol** [ErbB2](#)

**Synonyms** ERBB2; v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian); receptor tyrosine-protein kinase erbB-2; c-erbB-2; p185erbB2; Neu oncogene; proto-oncogene NEU; proto-oncogene c-ErbB-2; avian erythroblastosis oncogene B 2; Neu; HER2; HER-2; c-neu; ErbB-2; c-erbB2; mKIAA3023;

**Gene ID** [13866](#)

**mRNA Refseq** [NM\\_001003817](#)

**Protein Refseq** [NP\\_001003817](#)

 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