# Active Recombinant Human ERBB3(Met1-Thr643), mFc-tagged

**Cat. No.** ERBB3-43H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Active Recombinant Human ERBB3(Met1-Thr643)(P21860), fused with C-terminal mFc tag, was expressed in HEK293. |
| **Species** | Human |
| **Source** | HEK293 |
| **ProteinLength** | 20-643 a.a. |
| **Form** | Lyophilized from sterile PBS, pH 7.4. |
| **Bio-activity** | Measured by its binding ability in a functional ELISA. Immobilized human ErbB3-mFc at 10 μg/ml (100 μl/well) can bind biotinylated human NRG1, The EC50 of biotinylated human NRG1 is 0.58-1.25 μg/ml. |
| **Molecular Mass** | The recombinant human ErbB3/mFc is a disulfide-linked homodimer. The reduced monomer comprises 858 amino acids and has a predicted molecular mass of 95 kDa. The apparent molecular mass of the protein is approximately 119-129 in SDS-PAGE under reducing conditions. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method |
| **Purity** | > 95 % as determined by SDS-PAGE. |
| **Storage** | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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| | 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

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| **Gene Name** | ERBB3 v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian) [ Homo sapiens ] |
| **Official Symbol** | ERBB3 |
| **Synonyms** | ERBB3; v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian); LCCS2, lethal congenital contracture syndrome 2; receptor tyrosine-protein kinase erbB-3; HER3; proto-oncogene-like protein c-ErbB-3; tyrosine kinase-type cell surface receptor HER3; LCCS2; ErbB-3; c-erbB3; erbB3-S; MDA-BF-1; c-erbB-3; p180-ErbB3; p45-sErbB3; p85-sErbB3; MGC88033 |
| **Gene ID** | 2065 |
| **mRNA Refseq** | NM_001005915 |
| **Protein Refseq** | NP_001005915 |
| **MIM** | 190151 |
| **UniProt ID** | P21860 |

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