

## Recombinant Human ERBB3 Protein(Ser20-Thr643), His-Avi-tagged, FITC-Labeled

**Cat. No.** ERBB3-207H    **Lot. No.** (See product label)

### SPECIFICATION

|                          |                                                                                                                                                                                      |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | FITC-Labeled Recombinant Human ERBB3 Protein(Ser20-Thr643)(P21860), fused with C-terminal His and Avi tag, was expressed in HEK293.                                                  |
| <b>Species</b>           | Human                                                                                                                                                                                |
| <b>Source</b>            | HEK293                                                                                                                                                                               |
| <b>ProteinLength</b>     | Ser20-Thr643                                                                                                                                                                         |
| <b>Conjugation/Label</b> | FITC                                                                                                                                                                                 |
| <b>Form</b>              | Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.                                                       |
| <b>Bio-activity</b>      | Immobilized FITC-Labeled Human Her3, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human NRG1 Beta 1, hFc Tag with the EC50 of 23.6ng/ml determined by ELISA. |
| <b>Molecular Mass</b>    | The protein has a predicted MW of 71.6 kDa. Due to glycosylation, the protein migrates to 72-75 kDa based on Tris-Bis PAGE result.                                                   |
| <b>Endotoxin</b>         | Less than 1EU per µg by the LAL method.                                                                                                                                              |
| <b>Purity</b>            | > 95% as determined by Tris-Bis 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

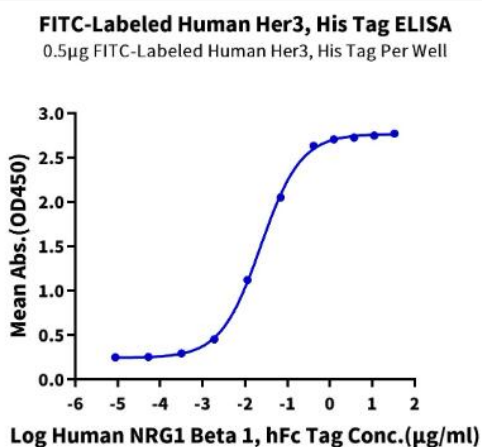
|                         |                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | 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.                                                                                                                    |
| <b>Reconstitution</b>   | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.                                                                                                                                                                                                     |
| <b>Conjugation</b>      | FITC                                                                                                                                                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Name</b>        | ERBB3 v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian) [ Homo sapiens ]                                                                                                                                                                                                                                                                           |
| <b>Official Symbol</b>  | ERBB3                                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>         | 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 |
| <b>Gene ID</b>          | 2065                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_001005915                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>   | NP_001005915                                                                                                                                                                                                                                                                                                                                                       |
| <b>MIM</b>              | 190151                                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>       | P21860                                                                                                                                                                                                                                                                                                                                                             |

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## Activity



## SDS-PAGE

