

## Active Recombinant Mouse ErbB3 protein, His-tagged

**Cat. No.** ErbB3-1411M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse ErbB3 protein(Ser20-His641), fused with His tag, was expressed in HEK293.                                                                                                              |
| <b>Species</b>          | Mouse                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 20-641 a.a.                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4.                                                                                                                                                |
| <b>Bio-activity</b>     | Immobilized Mouse ErbB3, His Tag at 2 µg/mL (100 µL/well) can bind Human NRG1 Beta 1, Fc Tag with a linear range of 0.5-8 ng/mL.                                                                         |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 70.4 kDa. The protein migrates as 80-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Proteinlength</b>    | Ser20-His641                                                                                                                                                                                             |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                               |
| <b>Purity</b>           | >95% as determined by SDS-PAGE.                                                                                                                                                                          |
| <b>Storage</b>          | For long term, the product should be stored at lyophilized state at -20°C or                                                                                                                             |

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lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**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**

ErbB3 v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian) [ Mus musculus ]

**Official Symbol**

ErbB3

**Synonyms**

ERBB3; v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian); receptor tyrosine-protein kinase erbB-3; c-erbB-3; receptor tyrosine kinase; glial growth factor receptor; proto-oncogene-like protein c-ErbB-3; avian erythroblastosis oncogene B 3 receptor; Her3; C76256; Erbb-3; Erbb3r; MGC117742;

**Gene ID**

13867

**mRNA Refseq**

NM\_010153

**Protein Refseq**

NP\_034283

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