

## Recombinant Mouse ErbB3 Protein, His-tagged

Cat. No. ErbB3-7201M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse ErbB3 protein with a His tag was expressed in insect cells.
<b>Species</b>	Mouse
<b>Source</b>	Insect Cells
<b>Protein Length</b>	20-641
<b>Description</b>	Tyrosine-protein kinase that plays an essential role as cell surface receptor for neuregulins. Binds to neuregulin-1 (NRG1) and is activated by it; ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase. May also be activated by CSPG5. Involved in the regulation of myeloid cell differentiation.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	69.5 kDa
<b>AA Sequence</b>	SEMGNSQAVCPGTLNGLSVTGDADNQYQTLTKLYEKCEVVMGNLEIVLTGHNADLS FLQWIREVTGYVLVAMNEFSVLPLPNLRVVRGTQVYDYGKFAIFVMLNYNTNSSHALR QLRFTQLTEILLGGVYIEKNDKLCHMDTIDWRDIVRVPDAEIVVKNNGGNCPPCHEV CKGRCWGPDPEDCQILTKTICAPQCNGRCFGPNPNQCCHDECAGGCSGPQDQDTC FACRHFNDSGACVPRCPAPLVYNKLTFLQLEPNPHIKYQYGGVCVASCPHNFVVDQT FCVRACPADKMEVDKNGLKMCEPCRGLCPKACEGTGSGSRYQTVDSSNIDGFVNC TKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPPHMHNFVVF

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SNLTTIGGRSLYNRGFSLLIMKLNVTSLGFRSLKEISAGRVIYISANQQQLCYHHSLNW  
 TRLLRGPAEERLDIKYNRPLGECVAEGKVCPLCSCSSGGCWGPGPGQCLSCRNYSR  
 EGVCVTHCNVLQGEPRFVHEAHCFSCHPECQPMEGTSTCNGSGSDACARCAHF  
 RDGPHCVNSCPHGILGAKGPIYKYPDAQNECRPCHENCTQGCKGPELQDCLGQAE  
 VLMSKPHLEHHHHHH

**Endotoxin** < 1.0 EU/μg of protein (determined by LAL method)

**Purity** > 90 % by SDS-PAGE

**Stability** Shelf life: one year from despatch.

**Storage** Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.

**Concentration** 0.5 mg/mL (determined by absorbance at 280nm)

**Storage Buffer** Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

## GENE INFORMATION

**Gene Name** [ErbB3 erb-b2 receptor tyrosine kinase 3 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [ErbB3](#)

**Synonyms** ErbB3; erb-b2 receptor tyrosine kinase 3; HER; ErbB; Her3; ErbB-; C76256; ErbB-3; ErbB3r; receptor tyrosine-protein kinase erbB-3; avian erythroblastosis oncogene B 3 receptor; c-erbB-3; glial growth factor receptor; proto-oncogene-like protein c-ErbB-3; v-erb-b2 erythroblastic leukemia viral oncogene homolog 3; EC 2.7.10.1

**Gene ID** [13867](#)

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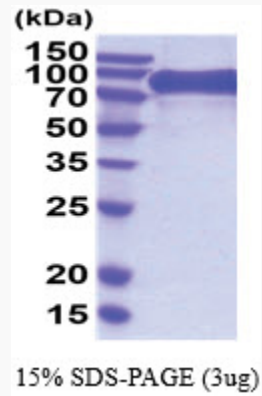
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mRNA Refseq [NM\\_010153](#)

Protein Refseq [NP\\_034283](#)

UniProt ID [Q61526](#)

SDS-PAGE



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