

Recombinant Mouse Erbb3 Protein, His-tagged

Cat. No. Erbb3-7201M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Erbb3 protein with a His tag was expressed in insect cells.
Species	Mouse
Source	Insect Cells
ProteinLength	20-641
Description	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.
Form	Liquid
Molecular Mass	69.5 kDa
AA Sequence	SEMGNSQAVCPGTLNGLSVTGDADNQYQTLYKLYEKCEVVMGNLEIVLTGHNADLS FLQWIREVTGYVLVAMNEFSVLPLPNLRVVRGTQVYDGKFAIFVMLNYNTNSSHALR QLRFTQLTEILLGGVYIEKNDKLCHMDTIDWRDIVRVPDAEIVVKNNGGNCPPCHEV CKGRCWGPDPEDCQILTKTICAPQCNGRCFGPNPNQCCHDECAGGCSGPQDQDC FACRHFNDSGACVPRCPAPLVYNKLTQLEPNPHIKYQYGGVCVASCPHNFVVDQT FCVRACPADKMEVDKNGLKMCEPCRGLCPKACEGTGSGSRYQTVDDSSNIDGFVNC TKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPPHMHNFVSF

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SNLTTIGGRSLYNRGFSLIMKLNVTSLGFRSLKEISAGRVIYISANQQLCYHHSLNW
 TRLLRGPAEERLDIKYNRPLGECVAEGKVCDPCLCSSGGCWGP GPGQCLSCRNYSR
 EGVCVTHCNVLQGEPRFVHEAHCF SCHPECQPMEGTSTCNGSGSDACARCAHF
 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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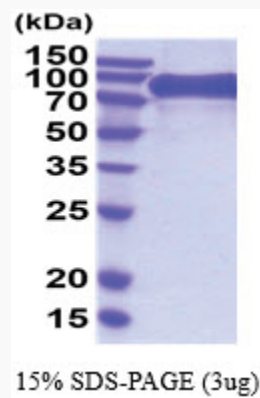
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mRNA Refseq NM_010153

Protein Refseq NP_034283

UniProt ID Q61526

SDS-PAGE



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