

## Recombinant Human ERBB4 Protein, MYC/DDK-tagged

Cat. No. ERBB4-2116H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human ERBB4 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>This gene is a member of the Tyr protein kinase family and the epidermal growth factor receptor subfamily. It encodes a single-pass type I membrane protein with multiple cysteine rich domains, a transmembrane domain, a tyrosine kinase domain, a phosphatidylinositol-3 kinase binding site and a PDZ domain binding motif. The protein binds to and is activated by neuregulins and other factors and induces a variety of cellular responses including mitogenesis and differentiation. Multiple proteolytic events allow for the release of a cytoplasmic fragment and an extracellular fragment. Mutations in this gene have been associated with cancer. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq, Jul 2008]</p>
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	142.6 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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**Concentration** >50 ug/mL as determined by microplate BCA method

## GENE INFORMATION

<b>Gene Name</b>	ERBB4 v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian) [ Homo sapiens ]
<b>Official Symbol</b>	ERBB4
<b>Synonyms</b>	ALS19; HER4; p180erbB4
<b>Gene ID</b>	2066
<b>mRNA Refseq</b>	NM_001042599
<b>Protein Refseq</b>	NP_001036064
<b>MIM</b>	600543
<b>UniProt ID</b>	Q15303

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