

# Recombinant Human ERBB4 Protein (ECD), Fc-His-tagged(C-ter)

**Cat. No.** ERBB4-69H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human ERBB4 Protein (ECD) with Fc-His tag (C-ter) was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Gln26-Arg649
<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>	Powder
<b>Endotoxin</b>	Endotoxin level is less than 0.1

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	EU/μg of the protein, as determined by the LAL test.
<b>Purity</b>	> 97% (by SDS-PAGE)
<b>Applications</b>	Binding, SDS-PAGE
<b>Notes</b>	For laboratory research only, not for drug, diagnostic or other use.
<b>Storage</b>	Lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
<b>Storage Buffer</b>	PBS (pH 7.4)
<b>Reconstitution</b>	Reconstitute to a concentration of 0.1-0.5 mg/ml in sterile distilled water.
<b>GENE INFORMATION</b>	
<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>	ERBB4; v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian); v erb a avian erythroblastic leukemia viral oncogene homolog like 4; receptor tyrosine-protein kinase erbB-4; proto-oncogene-like protein c-ErbB-4; tyrosine kinase-type cell surface receptor HER4; avian erythroblastic leukemia viral (v-erb-b2) oncogene homolog 4; HER4; p180erbB4; MGC138404;
<b>Gene ID</b>	2066

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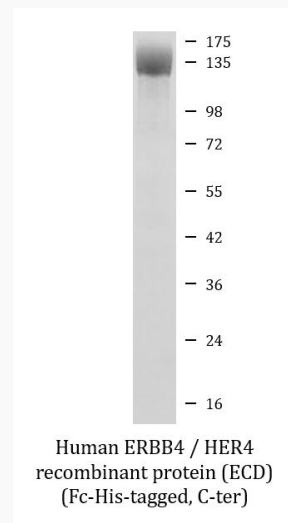
mRNA Refseq [NM\\_001042599](#)

Protein Refseq [NP\\_001036064](#)

MIM [600543](#)

UniProt ID [Q15303](#)

#### SDS-PAGE



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