

Recombinant Human ERBB4 Protein, ECD, Tag Free, Biotinylated

Cat. No. ERBB4-116H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HER4 (ERBB4) protein was developed from CHO cells.
Species	Human
Source	CHO
ProteinLength	ECD
Description	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.
Conjugation/Label	Biotin
Form	Lyophilised
Endotoxin	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).

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Applications	ELISA, WB
Notes	FOR RESEARCH USE ONLY (RUO).
Storage	The lyophilized protein is stable for at least 1 year from date of receipt at -20 centigrade. Upon reconstitution, this cytokine can be stored in working aliquots at 2 to 8 centigrade for one month, or at -20 centigrade for six months, with a carrier protein without detectable loss
Storage Buffer	Lyophilised from 0.2 µm filtered PBS pH 7.4.
Reconstitution	Upon receipt a quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Conjugation	Biotin

GENE INFORMATION

Gene Name	ERBB4 v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian) [Homo sapiens (human)]
Official Symbol	ERBB4
Synonyms	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;
Gene ID	2066

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mRNA Refseq	NM_001042599
Protein Refseq	NP_001036064
MIM	600543
UniProt ID	Q15303

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