Recombinant Human ERBB4, His-tagged

Cat. No. ERBB4-216H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human ERBB4 (NP_005226.1) (Met1-Arg649) was expressed with a C-terminal polyhistidine tag. Human and Rhesus ERBB4 sequences are identical.
Species	Human
Source	Insect Cells
ProteinLength	Met1-Arg649
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant human ERBB4 comprises 635 amino acids and has a predicted molecular mass of 71.1 kDa. The apparent molecular mass of the protein is approximately 92 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per μg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Storage	Store it under sterile conditions at -70℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	ERBB4 v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian) [Homo sapiens]
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
mRNA Refseq	NM_001042599
Protein Refseq	NP_001036064
MIM	600543
UniProt ID	Q15303
Chromosome Location	2q33.3-q34
Pathway	Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Downregulation of ERBB4 signaling, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved

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	biosystem; ErbB signaling pathway, organism-specific biosystem; ErbB signaling pathway, organism-specific biosystem;
Function	ATP binding; epidermal growth factor receptor binding; nucleotide binding; protein binding; protein homodimerization activity; protein tyrosine kinase activity; receptor activity; receptor signaling protein tyrosine kinase activity; transcription regulato

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