

Recombinant Human V-Erb-A Erythroblastic Leukemia Viral Oncogene Homolog 4 (avian), GST-tagged

Cat. No. ERBB4-1126H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human ERBB4 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	ERBB4 is a receptor tyrosine kinase that is a member of the epidermal growth factor receptor subfamily. ERBB4 is a single-pass type I transmembrane protein with multiple furin-like cysteine rich domains, 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-2 and -3, heparin-binding EGF-like growth factor and betacellulin.
Biological Activity	137 pmol/gxmin
Molecular Weight	102,062 Da
Appearance	Liquid
Storage	50 mM Tris-HCl, pH 8.0; 100 mM NaCl, 5 mM DTT, 15 mM reduced glutathione, 20% glycerol.
Pathways	Calcium signaling pathway; Endocytosis; ErbB signaling pathway

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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; HER4; Tyrosine kinase-type cell surface receptor HER4; p180erbB4; EC 2.7.10.1; MGC138404; avian erythroblastic leukemia viral (v-erb-b2) oncogene homolog 4; receptor tyrosine-protein kinase erbB-4; v-erb-a erythroblastic leukemia viral oncogene homolog 4; OTTHUMP00000163968; OTTHUMP00000206623; OTTHUMP00000209432

Gene ID 2066

mRNA Refseq NM_001042599

Protein Refseq NP_001036064

MIM 600543

UniProt ID Q15303

Chromosome Location 2q33.3-q34

Function ATP binding; nucleotide binding; protein binding; receptor activity; receptor signaling protein tyrosine kinase activity; transferase activity; transmembrane receptor protein tyrosine kinase activity

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