

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

Cat. No. ERBB4-1218H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanERBB4 catalytic domain (aa 708-993) with N-terminal GST tag. No special measureswere taken to activate this kinase.
Species	Human
Source	Insect Cells
ProteinLength	708-993 a.a.
Description	Receptortyrosine-protein kinase ERBB4 is an enzyme that in humans is encoded by theERBB4 gene. Alternatively spliced variants thatencode different protein isoforms have been described; however, not allvariants have been fully characterized.
Form	Liquid in 50 mMTris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.02% Triton X-100 + 2 mM DTT +50% glycerol.
Molecular Weight	61.6 kDa
Concentration	0.34 mg/ml
Specific Activity	550 nmole ofphosphate transferred to poly [Glu,Tyr] 4:1 substrate per minute per mg of totalprotein at 30°C. Activity determined at a final protein concentration of 2µg/ml.
Storage	Stable for 6 monthsin working aliquots at -80°C. Avoid repeated freeze-thaw cycles.

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OfficialSymbol ERBB4

GENE INFORMATION

Gene Name ERBB4 v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian) [Homo sapiens]

Synonyms ERBB4; v-erb-aerythroblastic leukemia viral oncogene homolog 4 (avian); HER4;MGC138404; p180erbB4; receptor tyrosine-protein kinase erbB-4; OTTHUMP00000163968;OTTHUMP00000206623; OTTHUMP00000209432; proto-oncogene-like protein c-ErbB-4;tyrosine kinase-type cell surface receptor HER4; avian erythroblasticleukemia viral (v-erb-b2) oncogene homolog 4

Gene ID 2066

mRNA Refseq NM_005235

Protein Refseq NP_005226

MIM 600543

UniProt ID Q15303

Chromosome Location 2q33.3-q34

Pathway Calcium signalingpathway; Endocytosis; ErbB signaling pathway

Function ATP binding;nucleotide binding; protein binding; receptor activity; receptor signalingprotein tyrosine kinase activity; transmembrane receptor protein tyrosinekinase activity

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PDBrendering based
on 2ahx.