

Recombinant Human ERBB4, GST-tagged, Active

Cat. No. ERBB4-329H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human HER4 (682-993) was expressed by baculovirus in <i>Sf9 insect cell</i> using an N-terminal GST tag. MW = 57 kDa.
Species	Human
Source	Sf9 Cells
Protein Length	682-993 a.a.
Description	HER4 or ERBB4 is a transmembrane receptor tyrosine kinase that belongs to epidermal growth factor receptor family (1). Through its interaction with its activating ligand heregulin, HER4 can regulate proliferation and differentiation of cells (2). HER4 ectodomain is cleaved by a metalloprotease, gamma-secretase that releases the HER4 intracellular domain from the membrane and facilitates its translocation to the nucleus. The kinase activity of HER4 is both necessary and sufficient to trigger an antiproliferative response in human breast cancer cells. Increased expression of HER4 has been detected in various cancers and this usually correlates to better survival.
Sequence	682-993.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

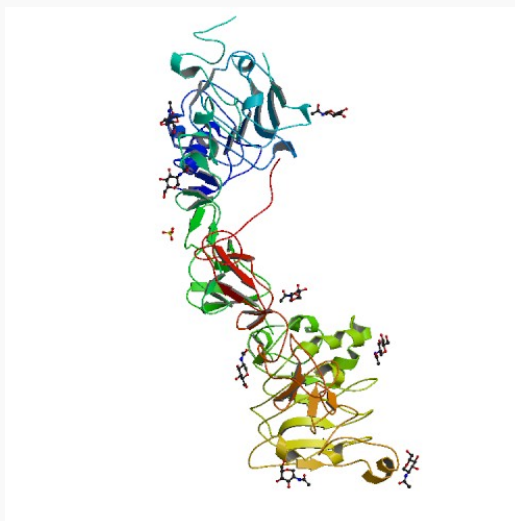
Gene Name	ERBB4 v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian) [Homo sapiens]
Synonyms	ERBB4; v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian); v-erb-a avian erythroblastic leukemia viral oncogene homolog-like 4; Receptor tyrosine-protein kinase erbB-4; HER4; Tyrosine 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
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; Endocytosis; ErbB signaling pathway
Function	ATP binding; nucleotide binding; protein binding; receptor activity; receptor signaling protein tyrosine kinase activity; transferase activity; transmembrane receptor protein tyrosine kinase activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PDB rendering based
on 2ahx.



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA