

Bioactive

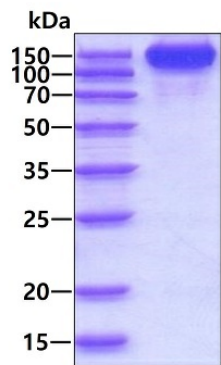
HuPro®

ERBB4 (Human) Recombinant Protein

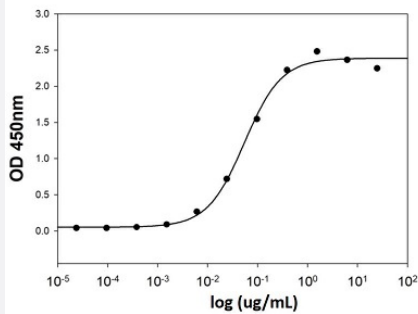
Catalog # P7874

Size 500 ug

Applications



SDS-PAGE analysis of ERBB4 (Human) Recombinant Protein.



Result of activity analysis

Result of activity analysis

Specification

Product Description

Human ERBB4 (Q15303, 26 a.a. - 649 a.a.) partial recombinant protein with hlgG-His tag expressed in HEK293 cells.

Sequence	QSV CAGTENKLSSLS DLEQQYRALRKY YENCEVVMGNLEITSIEHNRDLSFLRSVREVTGYVLVAL NQFRYLPLENLRIIRG TKLYEDRYALAIFLN YRKDGNFGLQELGLKNLTEILNGGVYVDQNKFLCYAD TIHWQDIVRNPWPSNL TLVSTNGSSGCGRCHK SCTGRCWGPTENHCQTLTRTVCAEQCDGRCY GPYVSDCCHRECAGGCS GPKDTCFACMNFND SGACVTQCPQTFVYNPTTFQLEHNFNAKYTY GAFCVKKCPHNFVVDSS SCVRACPSSKMEVEENG IKMCKPCTDICPKACD GIGTGSLSMAQTV DSSNIDKFINCTKINGNL IFLVGTGIHGD PYN AIEAIDPEKLN VFRTVREITGFLNIQSWPPNM TDFS VF NLVTIGGRVLYSGLS LLILKQQGITS LQFQSLKEISAGNYM TDNSNL CYHTINWTTLFSTINQRVIRDN RKAENCTAEGMVCNHL CSSDGCWGP GPDQCLSCRRFSRGRICIESCNLYDGEFREFENG SICV ECDPQCEKMEDGLLTCH GPGPDNCTKCSHF KDGPNCVEKCPDGLQGANSFIFKYADPDRECH PCHPNCTQGCNGPTSHDCI YPWGTGHSTLPQHARLEPKSCDKTH TCPPCPAPELLGGPSVFLFP PKPKDTLMISRTPEVTCV VVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTV LHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFY PSDIAVEWESNGQPENNYK TTPVLDSDGSFFLYSKLTVDKSRWQQGNV FSCSVMHEALHNHYT QKSLSLSPGKHHHHHH
Host	Human
Theoretical MW (kDa)	96.5999999999998
Form	Liquid
Preparation Method	Mammalian cell (HEK 293) expression system
Purity	> 90% as analyzed by SDS-PAGE.
Endotoxin Level	< 1 EU/ug of protein by the LAL method.
Activity	ED ₅₀ < 0.2 ug/mL, measured by the binding ability in a functional ELISA with Human NRG1/HRG1.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of ERBB4 (Human) Recombinant Protein.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol)
Storage Instruction	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — ERBB4

Entrez GeneID [2066](#)

Protein Accession# [Q15303](#)

Gene Name ERBB4

Gene Alias HER4, MGC138404, p180erbB4

Gene Description v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)

Omim ID [600543](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

avian erythroblastic leukemia viral (v-erb-b2) oncogene homolog 4|receptor tyrosine-protein kinase erbB-4|tyrosine kinase-type cell surface receptor HER4|v-erb-a avian erythroblastic leukemia viral oncogene homolog-like 4|v-erb-a erythroblastic leukemia v

Pathway

- [Calcium signaling pathway](#)
- [Endocytosis](#)
- [ErbB signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Attention](#)

- [Autistic Disorder](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cell Transformation](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Lung Neoplasms](#)
- [Melanoma](#)
- [Memory](#)
- [Mental Retardation](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychotic Disorders](#)
- [Reaction Time](#)
- [Schizophrenia](#)
- [Skin Neoplasms](#)
- [Tobacco Use Disorder](#)