

Product Information

MemDX™ Membrane Protein Human ERBB4 (Erb-b2 receptor tyrosine kinase 4) Full Length

Cat. No.: **MPC0997K**

This product is for research use only and is not intended for diagnostic use.

This product is a 146.8 kDa Human ERBB4 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ERBB4

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

146.8 kDa

TMD

1

Sequence

MKPATGLWVWSLLVAAGTVQPSDSQSV CAGTENKLSSLS DLEQQYRALR
KYYENCEVVMGNLEITSIEHNRDLSFLRSVREVTGYVLVALNQFRYLPLE
NLRIIRGTKLYEDRYALAIFLNYRKDGNFGLQELGLKNLTEILNGGVYVD
QNKFLCYADTIHWQDIVRNPWPSNLT LVSTNGSSGCGRCHK SCTGRCWGP
TENHCQTLTRTVCAEQCDGR CYGPYVSDCCHRECAGGCSGPKD TDCFACM
NFNDSGACVTQCPQTFVYNPTTFQLEHNFNAKYTYGAF CVKKCPHNFVVD
SSSCVRACPSSKMEVEENG IKMCKPCTDICPKACD GIGTGSLSAQT VDS
SNIDKFINCTKINGNLIFLVTGIHGD PYNAIEAIDPEK LNVFRTVREITG
FLNIQSWPPNM TDFS VFSNLVTIGGRVLYSGLSLLILKQQGITS LQFQSL
KEISAGNIYITDNSNL CYHTINWTTLFSTINQRIVIRDNRKAENCTAEG
MVCNHLCCSSDGCWGPGPDQCLSCRRFSRGRICIESCNLYDGEFREFENG S
ICVECDPQCEKMEDGLLTCHGPGPDNCTKCSHF KDGPNCVEKCPDGLQGA
NSFIFKYADPDRECHPCHPNCTQGCNGPTSHDCIYYPWTGHSTLPQHART
PLIAAGVIGGLFILVIVGLTFAVYVRRKSIKKKRALRRFLET ELVEPLTP
SGTAPNQAQLRILKETELKRVKVLGSGAFGT VYKGIWVPEGETVKIPVAI
KILNETTGPKANVEFMD EALIMASMDHPLVRL LGVCLSP TIQLVTQLMP
HGCLLEYVHEHKDNIGS QLLL NWCVQIAKGMMYLEERRLVHRDLAARNVL
VKSPNHVKITDFGLARLLEGDEKEYNADGGKMPIKWMALECIHYRKFT HQ
SDVWSYGVTIWELMTFGGKPYDGIPTREIPDLLEKGERLPQPPICTIDVY
MVMVKCWMIDADSRPKFKELAAEF SRMARDPQRYLVIQGDDRMKLPSPND
SKFFQNLLDEEDLEDMMDAEEYLVPQAFNIPPIYTSRARIDSNRSEIGH

SPPPAYTPMSGNQFVYRDGGFAAEQGVSVPYRAPSTSTIPEAPVAQGATAE
IFDDSCCNGTLRKPVAPHVQEDSSTQRY SADPTVFAPERSPRGELDEEGY
MTPMRDKPKQEYLN PVEENPFVSRRKNGDLQALDNPEYHNASNGPPKAED
EYVNEPLYLNTFANTLGKAEYLKNNILSMPEKAKKAFDNP DYWNHSLPPR
STLQHPDYLQEYSTKYFYKQNGRIRPIVAENPEYLSEFSLKPGTVLPPPP
YRHRNTVV

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

ERBB4

Full Name

Erb-b2 receptor tyrosine kinase 4

Introduction

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.

Alternative Names

ERBB4; HER4; ALS19; p180erbB4; receptor tyrosine-protein kinase erbB-4; avian erythroblastic leukemia viral (v-erb-b2) oncogene homolog 4; human epidermal growth factor receptor 4; proto-oncogene-like protein c-ErbB-4; tyrosine kinase-type cell surface receptor HER4; v-erb-a erythroblastic leukemia viral oncogene homolog 4; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 4; Erb-b2 receptor tyrosine kinase 4

Gene ID

[2066](#)

UniProt ID

[Q15303](#)