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Product Information

MemDX™ Membrane Protein Human ERBB4 (Erb-b2 receptor tyrosine kinase 4, transcript variant JM-a/CVT-2) expressed in Sf9 for Antibody Discovery

Cat. No.: **MP0077Q**
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 Sf9. 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
Druggable Genome, Protein Kinase, Transmembrane

Molecular Weight
146.8 kDa

TMD
1

Sequence
MKPATGLWVWVSLLVAAGTVQPSDSQSVCAGTENKLSSLSDLEQQYRALRKYYENCEVVMGNLEITSIEHNRDLSFLRSVREVTG
TVCAEQCDGRCYGPYVSDCCHRECAGGCSGPKDTDCFACMNFNDSGACVTQCPQTFVYNPTTFQLEHNFNAKYTYGAFCVKKC
VTIGGRVLYSGLSLLILKQQGITSLQFQSLKEISAGNIYITDNSNLCYYHTINWTTLFSTINQRIVIRDNRKAENCTAEGMVCNHLCSSD
HDCIYYPWTGHSTLPQHARTPLIAAGVIGGLFILVIVGLTFAVYVRRKSIKKKRALRRFLETELVEPLTPSGTAPNQAQLRILKETELKR

Product Description

Expression Systems
Sf9

Tag
C-DDK

Form
Powder

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

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 phosphotidylinositol-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

ALS19; HER4; p180erbB4; avian erythroblastic leukemia viral (v-erb-b2) oncogene homolog 4; human epidermal growth factor receptor 4; p180erbB4; 4ICD; proto-oncogene-like protein c-ErbB-4; E4ICD; s80HER4; 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; Receptor tyrosine-protein kinase erbB-4

Gene ID

2066

UniProt ID

Q15303

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