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Product Information

MemDX™ Membrane Protein Human EGFR (Epidermal growth factor receptor) expressed in CHO for Antibody Discovery

Cat. No.: **MP0067Q**
This product is for research use only and is not intended for diagnostic use.

This product is a 97.5 kDa Human EGFR membrane protein expressed in CHO. 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
EGFR

Protein Length
Partial

Protein Class
Adult stem cells, Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Secreted Protein, Stem cell relevant signaling - JAK/STAT signaling pathway, Transmembrane

Molecular Weight
97.5 kDa

Sequence
LEEKKVCQGTSNKLTQLGTFEDHFLSLQRMFNNCEVVLGNLEITYVQRNYDLSFLKTIQEVAGYVLIALNTVERIPLENLQIIRGNMYY

Product Description

Expression Systems
CHO

Tag
Tag Free

Form
Powder

Endotoxin
< 1 EU/μg

Purity

>95% as determined by SDS-PAGE and Coomassie blue staining

Buffer

0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2

Storage

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

Target

Target Protein

EGFR

Full Name

Epidermal growth factor receptor

Introduction

The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer.

Alternative Names

ERBB; ERBB1; HER1; mENA; NISBD2; PIG61; epidermal growth factor receptor; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; epidermal growth factor receptor tyrosine kinase domain; erb-b2 receptor tyrosine kinase 1; proto-oncogene c-ErbB-1; receptor tyrosine-protein kinase erbB-1; Receptor protein-tyrosine kinase

Gene ID

1956

UniProt ID

Q504U8

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