

Product Information

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

Cat. No.: **MP0150Q**

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

This product is a 80 kDa Human EGFR membrane protein expressed in Insect. 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

Full-length

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

80 kDa

Sequence

MRPSGTAGAALLALLAALCPASRALEEKKVCQGTSNKLTQLGTFEDHFLSLQRMFNNCEV
VLGNLEITYVQRNYDLSFLKTIQEVAGYVLIANTVERIPLNLQIIRGNMYYENSALA
VLSNYDANKTGLKELPMRNLQGQKCDPSCPNWSCWGAGEENCQKLTIIICAQQCSGRCRG
KSPSDCCHNQCAAGCTGPRESCLVCRKFRDEATCKDTCPLMLYNPTTYQMDVNPEGKY
SFGATCVKKCPRNYVVDHGSVCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIGEF
KDSLSINATNIKHFKNCTSSISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFL
LIQAWPENRTDLHAFENLEIIRGRTKQHGGQFSLAVVSLNITSLGLRSLKEISDGDVVISG
NKNLCYANTINWKKLFGTSGQKTKIISNRGENSCKATGQVCHALCSPEGCWGPEPRDCVS
CRNVSRGRECVDKCNLLEGEPRFVENSECIQCHPECLPQAMNITCTGRGPDNCIQCAHY
IDGPHCVKTCPAGVMGENNTLVWKYADAGHVCHLCHPNCTYGCTGPGLEGCPSTNGPKIPS
IATGMVGALLLLVVALGIGLFMRRRHIVRKRTLRLQLERELVEPLTPSGEAPNQALLR
ILKETEFKKIKVLGSGAFGTVYKGLWIPEGEKVKIPVAIKELREATSPKANKEILDEAYV
MASVDNPHVCRLGLICTSTVQLITQLMPFGCLLDYVREHKDNIGSQYLLNWCVQIAKGM
NYLEDRLVHRDLAARNVLVKTPQHVKITDFGLAKLLGAEKEYHAEGGKVPIKWMMALES
ILHRIYTHQSDVWSYGVTVWELMTFGSKPYDGIPASEISSILEKGERLPQPPICTIDVYM
IMVKCWMIDADSRPKFRELIIEFSKMARDPQRYLVIQGDERMHLPSPTDSNFYRALMDEE
DMDDVVDADAYLIPQQGFFSSPSTSRTPLLSSLATSNNSTVACIDRNLQSCPIKEDSF
LQRYSSDPTGALTEDSIDDTFLPVPGEWLWVKQSCSSTSSTHSAAASLQCPQSQVLPPASP
EGETVADLQTTQ

Product Description

Expression Systems

Insect

Form

Powder

Endotoxin

< 0.1 ng per µg

Purity

~90% by SDS-PAGE and visualized by silver stain

Buffer

PBS, pH 7.4

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

Receptor protein-tyrosine kinase; epidermal growth factor receptor; ERBB; HER1; mENA; ERBB1; PIG61; NISBD2; 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

Gene ID

[1956](#)

UniProt ID

[Q504U8](#)