

Product Information

MemDX™ Membrane Protein Human EGFR (Epidermal growth factor receptor) expressed in sf9 cells for Antibody Discovery

Cat. No.: **MP1272J**

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

This product is a 134 kDa Human EGFR 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

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

134 kDa

TMD

1

Sequence

MRPSGTAGAALLALLAALCPASRALEEKKVCQGTSNKLTLQLGTFEDHFLSLQRMFNNCEVVLGNLEITYV
QRNYDLSFLKTIQEVAGYVLIANTVERIPLNLQIIRGNMYYENSALAVLSNYDANKTGLKELPMRNL
QEILHGAVRFSNNPALCNVESIQWRDIVSSDFLSNMSMDFQNHGSCQKCDPSCPNGSCWGAGEENCQKL
TKIICAQQCSGRRCRGKSPSDCCHNQCAAGCTGPRESCLVCRKFRDEATCKDTCPPMLLYNPPTYQMDVN
PEGKYSFGATCVKKCPRNYVVDTHGSCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIGEFKDSLS
INATNIHKFNCTSIISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVEITGFLLIQAWPENRTDLHAF
ENLEIIRGRTKQHGGFSLAVVSLNITSLGLRSLKEISDGDVVISGNKNLCYANTINWKKLFGTSGQKTKI
ISNRGENSCKATGQVCHALCSPEGCWGPEPRDCVSCRNVSRGECVDKCNLLEGEPREFVENSECIQCHP
ECLPQAMNITCTGRPDNCIQCAHYIDGPHCVKTCPAGVMGENNTLVWKYADAGHVCHLCHPNCTYGCTG
PGLGCPTNGPKPSIATGMVGALLLLLVVALGIGLFMRRRHIVRKRTLRLQLERELVEPLTPSGEAPN
QALLRILKETEFKKIKVLGSGAFGTVYKGLWIPEGEKVKIPVAIKELREATSPKANKEILDEAYVMASVD
NPHVCRLLGICLTSTVQLITQLMPFGCLLDYVREHKDNIGSQYLLNWCVQIAKGMNYLEDRLVHRDLAA
RNVLVKTPQHVKITDFGLAKLLGAEKEYHAEGGKVPKWMALLESILHRIYTHQSDVWSYGVTVWELMTF
GSKPYDGIPASEISSILEKGERLPQPPICTIDVYIMVCKWMIDADSRPKFRELIIEFSKMARDPQRYLV
IQGDERMHLPSPDTSNFYRALMDEEDMDVDVDADEYLIPQQGFFSSPSTSRTPLLSLSATSNNSTVACI
DRNGLQSCPIKEDSFLQRYSSDPTGALTEDSIDDTFLPVPEYINQSVPKRPAGSVQNPVYHNQPLNPAPS
RDPHYQDPHSTAVGNPEYLVNTVQPTCVNSTFDSPAHWAQKGS HQISLDNPDYQQDFFPKAKPNGIFKGS
TAENAEYLRVAPQSSEFIGA

Product Description

Expression Systems

Sf9

Tag

C-DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

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

Buffer

50mM Tris-HCl pH8.0, 150mM NaCl, 20% glycerol

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, thus inducing receptor dimerization and tyrosine autophosphorylation leading to cell proliferation. Mutations in this gene are associated with lung cancer. EGFR is a component of the cytokine storm which contributes to a severe form of Coronavirus Disease 2019 (COVID-19) resulting from infection with severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2).

Alternative Names

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; proto-oncogene c-ErbB-1

Gene ID

[1956](#)

UniProt ID

[Q504U8](#)