

# Product Information

## MemDX™ Membrane Protein Human EGFR (Epidermal growth factor receptor) for Antibody Discovery

Cat. No.: **MP0916J**

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

This product is a 41 kDa Human EGFR 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

EGFR

#### Protein Length

Extracellular domain

#### 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

41 kDa

#### Sequence

MRPSGTAGAALLALLAALCPASRALEEKVCGTSNKLQLGTFEDHFLSLQRMFNCEVVLGNLEITYVQRNYDLSFLKTIQEAVGYVLIALNTVERIPLENLQIIRGNMYYENSYALAVLSNYDANKTGLKELPMRNLQEILHGAVRFSNNPANCNVESIQWRDIVSSDFLSNMSMDFQNHLGSCQKCDPSCPNGSCWGAGEENCQKLTKIICAQQCSCGRGKSPSDCCHNQCAAGCTGPRESDCLVCRKFRDEATCKDTCPPMLYNPTTYQMDVNPEGKYSFGATCVKKCPRNYVTDHGSCVRACGADSYEMEEDGVRKCKCEGPCRKVCGIGIGEFKDLSINATNIKHFKNCTSISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGLS

### Product Description

#### Expression Systems

HEK293

#### Tag

C-DDK/His

#### Form

Liquid

**Purification**

Anti-DDK affinity column followed by conventional chromatography steps

**Purity**

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

**Buffer**

PBS, pH7.4, 10% 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. 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; HER1; mENA; ERBB1; PIG61; NISBD2

**Gene ID**

[1956](#)

**UniProt ID**

[Q504U8](#)