

## Product Information

### MemDX™ Membrane Protein Human EGFR (Epidermal growth factor receptor, transcript variant 3) for Antibody Discovery

Cat. No.: **MP1270J**

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

This product is a 42.4 kDa Human EGFR membrane protein expressed in HEK293T. 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

42.4 kDa

##### TMD

1

##### Sequence

MRPSGTAGAALLALLAALCPASRALEEKKVCQGTSNKLTQLGTFEDHFLSLQRMFNNCEVVLGNLEITYV  
QRNYDLSFLKTIQEVAGYVLIANTVERIPLNLQIIRGNMYEENSALAVLSNYDANKTGLKELPMRNL  
QEILHGAVRFSNNPALCNVESIQWRDIVSSDFLSNMSMDFQNHGSCQKCDPSCPNGSCWGAGEENCQKL  
TKIICAQQCSGRRCRGKSPSDCCHNQCAAGCTGPRESCLVCRKFRDEATCKDTCPPMLLYNPPTYQMDVN  
PEGKYSFGATCVKKCPRNYVVTDHGSCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIGEFKDSLS  
INATNIHKFNCTISISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGLS

#### Product Description

##### Expression Systems

HEK293T

##### Tag

C-Myc/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**

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 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](#)