

Product Information

MemDX™ Membrane Protein Human EGFR (Epidermal growth factor receptor) expressed in Sf9 for Antibody Discovery

Cat. No.: **MP0133Q**

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

This product is a 61 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

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

61 kDa

TMD

1

Sequence

MRPSGTAGAALLALLAALCPASRALEEKKVCQGTSNKLTQLGTFEDHFLSLQRMFNNCEVVLGNLEITYVQRNYDLSFLKTIQEVAG
RNVLVKTPQHVKITDFGLAKLLGAEEKEYHAEGGKVPKWMALLESILHRIYTHQSDVWSYGVTVWELMTFGSKPYDGIPASEISSILE

Product Description

Expression Systems

Sf9

Tag

C-DDK

Form

Powder

Purity

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

Buffer

50mM Tris-HCl, pH8.0, 100mM 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; 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

Gene ID

[1956](#)

UniProt ID

[P00533](#)