

Human CellExp ErbB1/EGFR, mouse recombinant protein
EGFR, ERBB, ERBB1, HER1, PIG61, mENA
Catalog # PBV11025r**Specification**

Human CellExp ErbB1/EGFR, mouse recombinant protein - Product infoPrimary Accession
Calculated MW[Q01279](#)

This protein has a C-terminal 6×His tag and has a calculated MW of 70 kDa. The predicted N-terminus is Leu 25. In DTT-reduced SDS-PAGE, protein migrates as 110-115 kDa. KDa

Human CellExp ErbB1/EGFR, mouse recombinant protein - Additional InfoGene ID
Gene Symbol
Other Names
EGFR, ERBB, ERBB1, HER1, PIG61, mENA**13649**
EGFRGene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Mouse
HEK293 cells
SDS-PAGE; ≥95%
N/A;
Yes
Measured by its binding ability in a functional ELISA. Immobilized mouse EGF at 10 µg/ml can bind mouse EGFR with a linear range of 2.5-1000 ng/ml.

Target/Specificity
ErbB1**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized**Storage**
-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.**Human CellExp ErbB1/EGFR, mouse recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp ErbB1/EGFR, mouse recombinant protein - Images

Human CellExp ErbB1/EGFR, mouse recombinant protein - Background

The epidermal growth factor receptor (EGFR; ErbB-1; HER1) is the cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. The epidermal growth factor receptor is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR (ErbB-1), HER2/c-neu (ErbB-2), Her 3 (ErbB-3) and Her 4 (ErbB-4). Mutations affecting EGFR expression or activity could result in cancer.

Human CellExp ErbB1/EGFR, mouse recombinant protein - References

Avivi A., et al. Oncogene 7:1957-1962(1992).
Paria B.C., et al. Proc. Natl. Acad. Sci. U.S.A. 90:55-59(1993).
Hibbs M.L., et al. Submitted (APR-1994) to the EMBL/GenBank/DDBJ databases.
Luteteke N.C., et al. Genes Dev. 8:399-413(1994).
Avivi A., et al. Oncogene 6:673-676(1991).