

Human CellExp EGFR/ErbB1, human recombinant protein
EGFR, ERBB, ERBB1, HER1, PIG61, mENA
Catalog # PBV11019r**Specification**

Human CellExp EGFR/ErbB1, human recombinant protein - Product infoPrimary Accession
Calculated MW[P00533](#)

This protein is fused with polyhistidine tag at the C-terminus, has a calculated MW of 69.5 kDa. The predicted N-terminus is Leu 25. DTT-reduced Protein migrates as 110-115 kDa due to glycosylation. KDa

Human CellExp EGFR/ErbB1, human recombinant protein - Additional InfoGene ID
Gene Symbol1956
EGFR**Other Names**

EGFR, ERBB, ERBB1, HER1, PIG61, mENA

Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Human
HEK293 cells
SDS-PAGE; ≥95%
N/A;
Yes
Measured by its binding ability in a functional ELISA. Immobilized human EGF at 10 µg/ml can bind human EGFR with a linear range of 0.5-750 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 EGFR/ErbB1, human 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 EGFR/ErbB1, human recombinant protein - Images

Human CellExp EGFR/ErbB1, human recombinant protein - Background

The epidermal growth factor receptor (EGFR; ErbB-1; HER1 in humans) 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 EGFR/ErbB1, human recombinant protein - References

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Ilekis J.V.,et al.Mol. Reprod. Dev. 41:149-156(1995).
Reiter J.L.,et al.Nucleic Acids Res. 24:4050-4056(1996).
Ilekis J.V.,et al.Gynecol. Oncol. 65:36-41(1997).
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