

# Human CellExp™ EGFR/ErbB1, human recombinant

**CATALOG #:** 7396-10 10 µg

**ALTERNATE NAMES:** EGFR, ERBB, ERBB1, HER1, PIG61, mENA

**SOURCE:** HEK 293 cells (Leu 25 - Ser 645)

**PURITY:** ≥ 95% by SDS-PAGE gel

**MOL. WEIGHT:** 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.

**ENDOTOXIN LEVEL:** <1 EU/µg by LAL method

**FORM:** Lyophilized

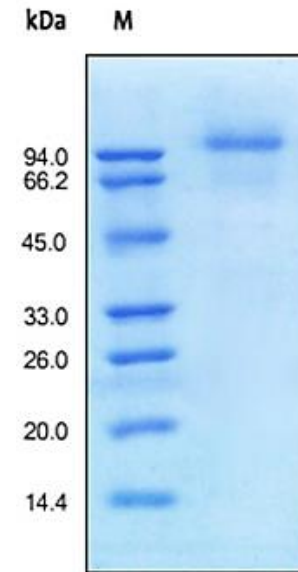
**FORMULATION:** Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

**STORAGE CONDITIONS:** Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

**RECONSTITUTION:** 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.

**DESCRIPTION:** 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.

**BIOLOGICAL ACTIVITY:** 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.



Human recombinant EGFR/ErbB1

#### RELATED PRODUCTS:

- Human CellExp™ HER2/ErbB2, human recombinant (**Cat. No. 7397-10, -50**)
- EGF Receptor, human recombinant (**Cat. No. 7135-10, -50**)
- ErbB4/HER4 (His Tagged), Human Recombinant (**Cat. No. 7773-5**)
- HER2, Active (**Cat. No. 7762-5, -100**)
- HER2/ErbB2 Antibody (**Cat. No. 3783-100**)

**FOR RESEARCH USE ONLY! Not to be used in humans.**