**Human EGF R Protein, Strep Tag**  
Catalog # EGR-H5285

**Synonym**  
EGFR, ERBB, ERBB1, HER1, PIG61, mENA

**Source**  
Human EGF R, Strep Tag (EGR-H5285) is expressed from human 293 cells (HEK293). It contains AA Leu 25 - Ser 645 (Accession # NP_005219).  
Predicted N-terminus: Leu 25

**Molecular Characterization**

This protein carries a twin strep tag at the C-terminus.  
The protein has a calculated MW of 76.1 kDa. The protein migrates as 110-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Endotoxin**  
Less than 1.0 EU per µg by the LAL method.

**Purity**  
>95% as determined by SDS-PAGE.

**Formulation**

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally trehalose is added as protectant before lyophilization.  
Contact us for customized product form or formulation.

**Reconstitution**

Please see Certificate of Analysis for specific instructions.  
*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.  
*Please avoid repeated freeze-thaw cycles.*  
No activity loss was observed after storage at:  
- -20°C to -70°C for 12 months in lyophilized state;  
- -70°C for 3 months under sterile conditions after reconstitution.

**SDS-PAGE**

Human EGF R, Strep Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

**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.

**References**
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Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.