

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_005219.2](#)).

Predicted N-terminus: Leu 25

Molecular Characterization

EGF R(Leu 25 - Ser 645) NP_005219.2	Twin-Strep
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This protein carries a twin strep tag at the C-terminus.

The protein has a calculated MW of 71.6 kDa. The protein migrates as 80-100 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, pH7.4. 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.

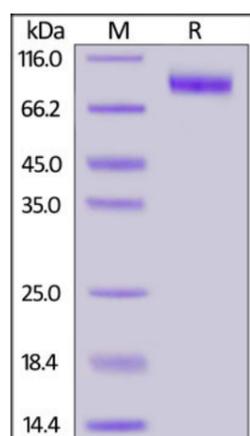
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable 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

- (1) [Herbst RS, 2004, Int. J. Radiat. Oncol. Biol. Phys. 59 \(2 Suppl\): 21-6.](#)
- (2) [Zhang H, et al., 2007, Journal of Clinical Investigation 117\(8\):2051-2058.](#)

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