

Datasheet for ABIN7274527
EGFR Protein (His-Avi Tag,Biotin)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	EGFR
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EGFR protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	Leu25-Ser645
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human EGF, No Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human EGFR, His Tag with the EC50 of 6.4µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	EGFR
Alternative Name:	EGFR (EGFR Products)
Background:	ErbB, EC 2.7.10, EC 2.7.10.1, EGFR, mENA, LEGFR, ERBB, ERBB1, HER1, PIG61, NISBD2,The epidermal growth factor receptor is a transmembrane protein that is a receptor for members of

Target Details

the epidermal growth factor 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, HER2/neu, Her 3 and Her 4. Receptor tyrosine kinase binding ligands of the EGF family and activating several signaling cascades to convert extracellular cues into appropriate cellular responses.

Molecular Weight: 71.5 kDa. Due to glycosylation, the protein migrates to 90-120 kDa based on Tris-Bis PAGE result.

Pathways: [NF-kappaB Signaling](#), [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Stem Cell Maintenance](#), [Hepatitis C](#), [Positive Regulation of Response to DNA Damage Stimulus](#), [Interaction of EGFR with phospholipase C-gamma](#), [Thromboxane A2 Receptor Signaling](#), [EGFR Downregulation](#), [S100 Proteins](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

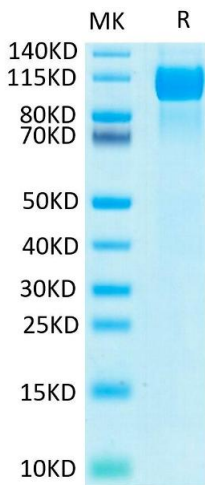
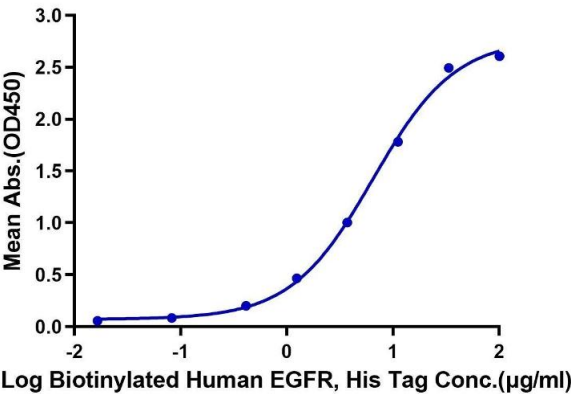
Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C,-80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

Biotinylated Human EGFR, His Tag ELISA
0.2µg Human EGF, No Tag Per Well



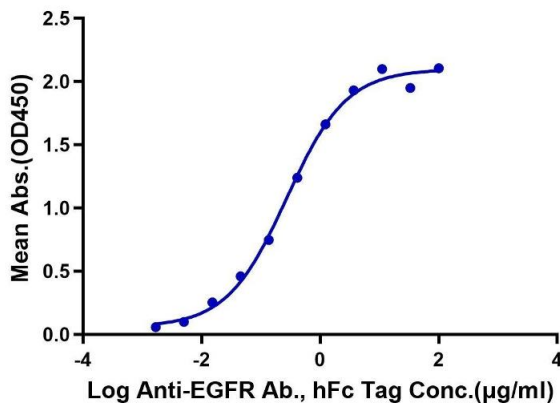
ELISA

Image 1. Immobilized Human EGF, No Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human EGFR, His Tag with the EC₅₀ of 6.4 µg/mL determined by ELISA.

SDS-PAGE

Image 2. Biotinylated Human EGFR/HER1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Biotinylated Human EGFR , His Tag ELISA
0.05µg Biotinylated Human EGFR , His Tag Per Well



ELISA

Image 3. Immobilized Biotinylated Human EGFR at 0.5 µg/mL (100 µL/Well). Dose response curve for Anti-EGFR Ab., hFc Tag with the EC₅₀ of 0.27 µg/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274527.