

Datasheet for ABIN6964078

**EGFR Protein (His tag)****2** Images[Go to Product page](#)

## 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 tag.
Application:	ELISA

## Product Details

Purpose:	Recombinant human EGFR Protein with C-terminal 6xHis tag
Specificity:	EGFR (Leu25-Ser645) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	EGFR
Alternative Name:	EGFR ( <a href="#">EGFR Products</a> )
Background:	Synonymes: EGFR,ERBB,ERBB1,HER1,PIG61,mENA

## Target Details

Description: The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer.

Molecular Weight: predicted molecular mass of 69.4 kDa after removal of the signal peptide. The apparent molecular mass of EGFR-His is 100-130 kDa due to glycosylation.

Gene ID: 1956

UniProt: [P00533](#)

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

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

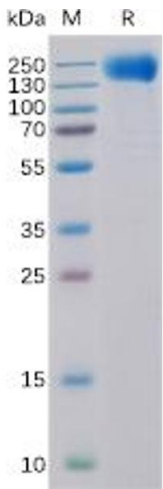
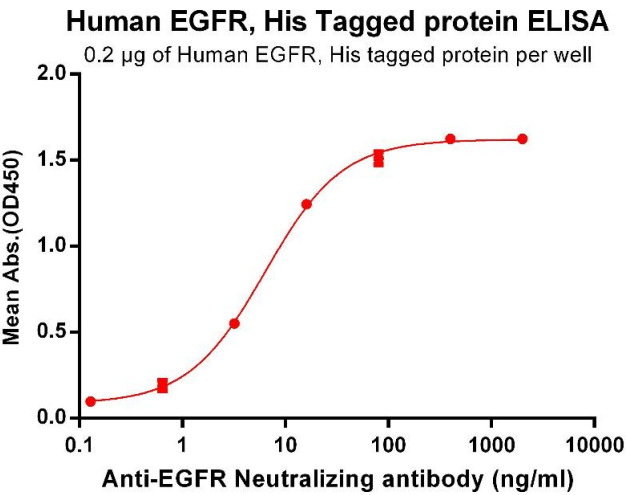
Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Preservative: Without preservative

Storage: -20 °C, -80 °C

Expiry Date: 12 months



**ELISA**

**Image 1.** ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human EGFR, His tagged protein (ABIN6964078) can bind Anti-EGFR Antibody in a linear range of 0.64-80.0 ng/mL.

**SDS-PAGE**

**Image 2.** Human EGFR Protein, His Tag on SDS-PAGE under reducing condition.