

Datasheet for ABIN7321215
EGFR Protein (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	EGFR
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EGFR protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat EGFR/ErbB1 Protein (His Tag)(Active)
Sequence:	Met1-Ser646
Characteristics:	A DNA sequence encoding the rat EGFR (E7CXR8) (Met1-Ser646) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 98 % as determined by SDS-PAGE
Biological Activity Comment:	1. Measured by its ability to bind recombinant human EGF-Fc in a functional ELISA.2. Measured by its ability to bind recombinant mouse EGF-Fc in a functional ELISA.

Target Details

Target:	EGFR
Alternative Name:	EGFR/ErbB1 (EGFR Products)

Target Details

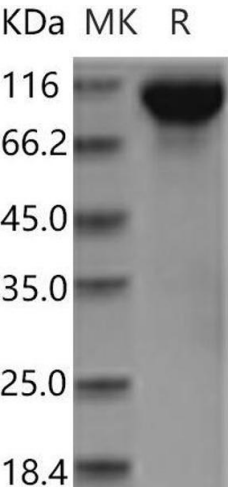
Background:	Background: As a member of the epidermal growth factor receptor (EGFR) family, EGFR protein is type I transmembrane glycoprotein that binds a subset of EGF family ligands including EGF, amphiregulin, TGF-α, betacellulin, etc. EGFR protein plays a crucial role in signaling pathway in the regulation of cell proliferation, survival and differentiation. Binding of a ligand induces EGFR protein homo- or heterodimerization, the subsequent tyrosine autophosphorylation and initiates various down stream pathways (MAPK, PI3K/PKB and STAT). In addition, EGFR signaling also has been shown to exert action on carcinogenesis and disease progression, and thus EGFR protein is proposed as a target for cancer therapy currently. Immune Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy Synonym: EGFR
Molecular Weight:	70.7 kDa
UniProt:	E7CXR8
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
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.