

Datasheet for ABIN2017740
EGFR Protein (AA 25-645) (His tag)



[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	EGFR
Protein Characteristics:	AA 25-645
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EGFR protein is labelled with His tag.

Product Details

Characteristics:	ED50< 1 µg/mL, measured in a bioassay using 3T3 cells in the presence of 25 pg/mL human EGF. AA 25-645, expressed with C-terminal 6xHis.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	EGFR
Alternative Name:	EGF Receptor (EGFR Products)
Background:	EGF Receptor, also known as ERBB, ERBB1 and HER1, is a type I transmembrane protein belonging to the tyrosine protein kinase family. It binds to a subset of EGF family ligands,

Target Details

including EGF, TGF-alpha, amphiregulin, EPGN, BTC, EREG and HBEGF. Ligand binding triggers receptor homo- or hetero-dimerization, which induces downstream kinase activation, tyrosine phosphorylation and cell signaling. EGF receptor signaling has been shown to regulate cell proliferation, differentiation, motility and apoptosis.

Synonyms: ERBB, ERBB1, HER1

Molecular Weight:	95-115 kDa, observed by reducing SDS-PAGE.
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

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant human EGF Receptor, His remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, human EGF Receptor, His should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.
Expiry Date:	6 months