

Datasheet for ABIN1046976
EGFR Protein (AA 26-645, partial) (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	EGFR
Protein Characteristics:	AA 26-645, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EGFR protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	EEKKVCQGTS NKLTQLGTFE DHFLSLQRMF NNCEVVLGNL EITYVQRNYD LSFLKTIQEV AGYVLIALNT VERIPLNLQ IIRGNMYYEN SYALAVLSNY DANKTGLKEL PMRNLQEILH GAVRFSNNPA LCNVESIQWR DIVSSDFLSN MSMDFQNH LG SCQKCDPSCP NGSCWGAGEE NCQKLTKIIC AQQCSGRCRG KSPSDCCHNQ CAAGCTGPRE SDCLVCRKFR DEATCKDTCP PLMLYNPTTY QMDVNPEGKY SFGATCVKKC PRNYVVTDHG SCVRACGADS YEMEEDGVRK CKKCEGPCRK VCNGIGIGEF KDSLSINATN IKHFKNCTSI SGDLHILPVA FRGDSFTHTP PLDPQELDIL KTVKEITGFL LIQAWPENRT DLHAFENLEI IRGRTKQHGG FSLAVVSLNI TSLGLRSLKE ISDGDVIISG NKNLCYANTI NWKKLFGTSG QKTKIISNRG ENSCKATGQV CHALCSPEGC WGPEPRDCVS CRNVSRGREG VDKCNLLEGE PREFVENSEC IQCHPECLPQ AMNITCTGRG PDNCIQCAHY IDGPHCVKTC PAGVMGENNT LVWKYADAGH VCHLCHPNCT YGCTGPGLEG CPTNGPKIPS
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian

Product Details

cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: 90 %

Target Details

Target: EGFR

Alternative Name: Epidermal growth factor receptor protein ([EGFR Products](#))

Background: Cell surface receptor for EGF, but also for other members of the EGF family, such as TGF- α , BTC/betacellulin, AREGAREGB/amphiregulin, HBEGF, GP30 and vaccinia virus growth factor. Ligand binding triggers a conformation change, leading to activation of the kinase and subsequent phosphorylation of down-stream protein kinases. Is involved in the control of cell growth, proliferation and differentiation. Phosphorylates MUC1 in breast cancer cells and increases the interaction of MUC1 with SRC and CTNNB1/beta-catenin. Ref.33 Ref.55 Ref.56 Ref.57 Ref.61 Ref.64 Ref.66 Isoform 2 may act as an antagonist of EGF action. Ref.33 Ref.55 Ref.56 Ref.57 Ref.61 Ref.64 Ref.66

Molecular Weight: 72.5 kD

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](#)

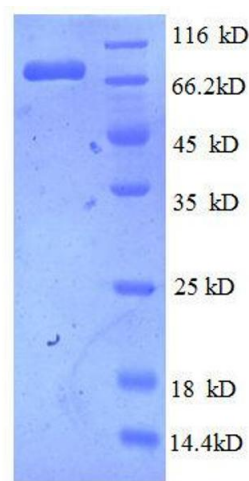
Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Images



SDS-PAGE

Image 1. Epidermal Growth Factor Receptor (EGFR) (AA 26-645), (partial) protein (His tag)