

Datasheet for ABIN7504964

EGFR Protein (AA 204-370) (His tag)



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Overview

Quantity:	100 µg
Target:	EGFR
Protein Characteristics:	AA 204-370
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EGFR protein is labelled with His tag.
Application:	Immunogen (Imm)

Product Details

Sequence:	Glu204-His370
Characteristics:	A DNA sequence encoding the Human EGFR (P00533-1) (Glu204-His370) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 80 % as determined by reducing SDS-PAGE.

Target Details

Target:	EGFR
Alternative Name:	EGFR (EGFR Products)
Background:	Abbreviation: EGFR Target Synonym: Avian erythroblastic leukemia viral (v erb b) oncogene homolog, Cell growth inhibiting protein 40, Cell proliferation inducing protein 61, EGF R, EGFR, EGFR, Epidermal growth

Target Details

factor receptor (avian erythroblastic leukemia viral (v erb b) oncogene homolog),Epidermal growth factor receptor (erythroblastic leukemia viral (v erb b) oncogene homolog avian),Epidermal growth factor receptor,erb-b2 receptor tyrosine kinase 1,ERBB,ERBB1,Errp,HER1,mENA,NISBD2,Oncogen ERBB,PIG61,Proto-oncogene c-ErbB-1,Receptor tyrosine protein kinase ErbB 1,Receptor tyrosine-protein kinase ErbB-1,SA7,Species antigen 7,Urogastrone,v-erb-b Avian erythroblastic leukemia viral oncogen homolog,wa2,Wa5
Background: EGFR,also named as ERBB1,is a cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. The gene resides on chromosome 7p12,encoding a 170 kDa membrane-associated glycoprotein. Recent studies have shown EGFR plays a critical role in cancer development and progression,including cell proliferation,apoptosis,angiogenesis,and metastatic spread. Mutations in this gene are associated with lung cancer.

Molecular Weight: Calculated MW: 18.2 kDa
Observed MW: 20.5 kDa

UniProt: [P00533-1](#)

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.

Comment: used as Immunogen for (ABIN6999856, ABIN7234106, ABIN7234107 and ABIN7234108)

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Handling

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.

Expiry Date: 12 months