

## Recombinant Human EGFR Protein(25-405aa), C-DDK/His tagged

Cat. No. EGFR-011H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human Epidermal Growth Factor Receptor (EGFR) Protein transcript variant 3, was expressed in human cells with C-terminal DDK/His tag (purified recombinant protein).                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 25-405 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | 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, thus inducing receptor dimerization and tyrosine autophosphorylation leading to cell proliferation. Mutations in this gene are associated with lung cancer. EGFR is a component of the cytokine storm which contributes to a severe form of Coronavirus Disease 2019 (COVID-19) resulting from infection with severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). |
| <b>Molecular Mass</b>   | 45 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Notes</b>            | For testing in cell culture applications, please filter before use. Note that you may                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

experience some loss of protein during the filtration process.

**Stability**

Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Storage**

Store at -80 centigrade.

**Concentration**

> 0.05 µg/µL as determined by microplate BCA method

**Storage Buffer**

PBS, pH 7.4, 10% glycerol

## GENE INFORMATION

**Gene Name**

EGFR epidermal growth factor receptor [ Homo sapiens (human) ]

**Official Symbol**

EGFR

**Synonyms**

EGFR; epidermal growth factor receptor; ERBB; ERBP; HER1; mENA; ERBB1; PIG61; NISBD2; epidermal growth factor receptor; EGFR VIII; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; epidermal growth factor receptor tyrosine kinase domain; erb-b2 receptor tyrosine kinase 1; proto-oncogene c-ErbB-1; receptor tyrosine-protein kinase erbB-1; EC 2.7.10.1

**Gene ID**

1956

**mRNA Refseq**

NM\_201283

**Protein Refseq**

NP\_958440

**MIM**

131550

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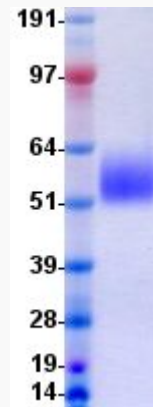
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UniProt ID

P00533

SDS-PAGE



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