

## Recombinant Human EGFR Protein, His-tagged

Cat. No. EGFR-01H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human EGFR Protein extracellular domain (25-378aa, Asn273Lys mutation), was expressed in Mouse myeloma cell line (NS0) with C-terminal 6-His tag.

**Species** Human

**Source** NS0

**ProteinLength** 25-378 aa

**Description** 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).

**Form** Lyophilized from a 0.2 µm filtered solution in PBS.

**Molecular Mass** Predicted Molecular Mass: 39 kDa  
SDS-PAGE: 65-80 kDa, reducing conditions

**N-terminal Sequence** Leu25

 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

<b>Analysis</b>	
<b>Endotoxin</b>	<0.10 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>95%
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
<b>Reconstitution</b>	Reconstitute at 250 µg/mL in PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## GENE INFORMATION

<b>Gene Name</b>	EGFR epidermal growth factor receptor [ Homo sapiens (human) ]
<b>Official Symbol</b>	EGFR
<b>Synonyms</b>	ERBB; ERRP; HER1; mENA; ERBB1; PIG61; NISBD2
<b>Gene ID</b>	1956
<b>mRNA Refseq</b>	NM_001346941
<b>Protein Refseq</b>	NP_001333870
<b>MIM</b>	131550

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UniProt ID

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