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

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Analysis	
Endotoxin	<0.10 EU per 1 μg of the protein by the LAL method.
Purity	>95%
Storage	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.
Reconstitution	Reconstitute at 250 μg/mL in PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

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

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UniProt ID	P00533

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