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32-18607: Human EGFR(301-645) Protein, His Tag

Gene :	EGFR
Uniprot ID :	P00533
Alternative Name :	ERBB; ERRP; HER1; mENA; ERBB1; NNCIS; PIG61; NISBD2,Recombinant human EGFR(301-645) Protein with C-terminal 10?His tag

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). [provided by RefSeq, Jul 2020]
Molecular Weight : The protein has a predicted molecular mass of 39.0 kDa after removal of the signal peptide. The apparent molecular mass of EGFR(301-645)-His is approximately 55-100 kDa due to glycosylation.
Tag :C-10?His tag

Product Info

Amount :	50μg / 10μg
Purification :	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

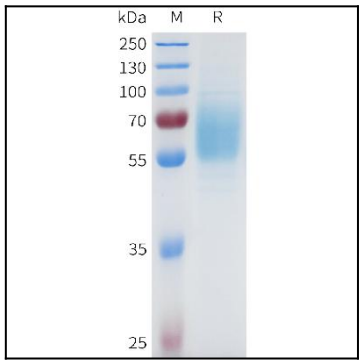


Figure 1. Human EGFR(301-645) Protein, His Tag on SDS-PAGE under reducing condition.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.