

Product Name: EGFR protein, L858R

Synonyms: EGFR/HER1/ERBB1

Catalogue Number: 10230

Source: Human, amino acids 702-987

Expression Host: E. coli, recombinant

Molecular Weight: 40 kDa

Purity: >95% by SDS-PAGE

Storage: -80°C

Preparation and Storage Instructions

Centrifuge the vial before open the cap. Avoid repeated freezing and thawing and store at -80°C.

Introduction: EGFR is a receptor tyrosine kinase binding ligands of the EGF family and activating several signaling cascades to convert extracellular cues into appropriate cellular responses. It activates at least 4 major downstream signaling cascades including the RAS-RAF-MEK-ERK, PI3 kinase-AKT, PLCgamma-PKC and STATs modules. Defects in EGFR are associated with lung cancer (LNCR).

Amino Acid Sequence (amino acids 702-987)

MGSSHHHHHSSGLVPRGSHMASMTGGQMGRDPNSSS
VDKLALLRILKETEFKKIKVLGSGAFGTVYKGLWIPEG
EKVKIPVAIKELREATSPKANKEILDEAYVMASVDNPH
VCRLLGICLTSTVQLITQLMPFGCLLDYVREHKDNIGS
QYLLNWCVQIAKGMNYLEDRLVHRDLAARNVLVKTPO
HVKITDFGRAKLLGAEKEYHAEGGKVPIKWMALESIL
HRIYTHQSDVWSYGVTWELMTFGSKPYDGIPASEISS
ILEKGERLPQPPICTIDVYMIMVKCWMIDADSRPKFRE
LIIEFSKMARDPQRYLVIQGDERM

(Note: Underlined: from vector, including his tag; red and underlined: the point mutation)

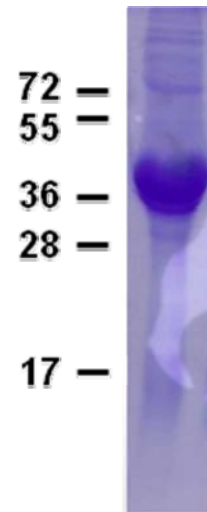
Properties

Physical Appearance (form): Dissolved in 20 mM

Tris-HCl, pH 7.4, containing 100 mM NaCl.

Physical Appearance: White or clear

Concentration: 4 mg/ml



The purity of EGFR (L858R) was determined by SDS-PAGE and coomassie brilliant blue staining.

For research use only. Not for diagnostic or therapeutic applications.