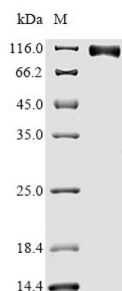
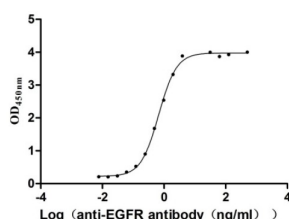


Human Epidermal Growth Factor Receptor (EGFR) Protein (Active)

Catalogue No.: abx600059



Discontinuous SDS-PAGE (reduced) analysis with Coomassie Blue staining using Tris-glycine gel with 5% enrichment gel and 15% separation gel. Calculated MW: 73.6 kDa, Observed MW: 110 kDa.



Binding activity of EGFR (0.1 µg/well) using EGFR antibody (0.007629 ng/ml - 1000 ng/ml) and [abx341004](#) - Goat anti-Human IgG Fc gamma fragment specific antibody (1/10000 dilution). EC50: 0.6154 ng/ml - 0.7361 ng/ml.

Human Epidermal Growth Factor Receptor (EGFR) Protein is a recombinant Human protein produced in Mammalian cells. It consists of amino acids 25-645, fused to an N-terminal 10 His-tag and a C-terminal Myc-tag.

Target: Epidermal Growth Factor Receptor (EGFR)

Research Area: Cancer

Origin: Human

Expression: Recombinant

Host: Mammalian cells

Conjugation: Unconjugated

Form: Lyophilized

Purity: > 97% (SDS-PAGE)

Purification: Purified by affinity chromatography using IMAC.
0.2 µm filtered prior to lyophilization.

Reconstitution: Reconstitute in ddH₂O to a concentration of 0.1-1.0 mg/ml. It is recommended to add a final glycerol concentration of 5-50%.

Datasheet

Version: 9.0.0
Revision date: 06 Jun 2025



Storage: Aliquot and store at 2-8°C for up to 1 week. Store at -20°C or -80°C for up to 1 year. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P00533 ([UniProt](#), [ExPASy](#))

Gene Symbol: EGFR

KEGG: hsa:1956

String: [9606.ENSP00000275493](#)

Molecular Weight: Calculated MW: 73.6 kDa
Observed MW (SDS-PAGE): 110 kDa

Sequence Fragment: 25-645 AA.

Sequence: LEEKKV CQGTSNKLTQ LGTFEDHFLS LQRMFNCEV VLG NLEITYV QRNYDLSFLK TIQEVAGYVL
IALNTVERIP LENLQIRGN MYYENSYALA VLSNYDANKT GLKELPMRNL QEILHGAVRF
SNNPALCNVE SIQWRDIVSS DFLSNMSMDF QNHLGSCQKC DPSCPNGSCW GAGEENCQKL
TKIICAQQCS GRCRGKSPSD CCHNQCAAGC TGPRES DCLV CRKFRDEATC KDTCPPLMLY
NPTTYQMDVN PEGKYSFGAT CVKKCP RNYV VTDHGSCVRA CGADSYEMEE DGVRKCKKCE
GPCRKVCNGI GIGEFKDSLS INATNIKHFK NCTSIGDLH ILPVAFRGDS FTHTPPLDPQ
ELDILKTVE ITGFLLIQAW PENRTDLHAF ENLEIIRGRT KQHGQFSLAV VSLNITSLGL RSLKEISDGD
VIISGNKNLC YANTINWKKL FGTSGQKTKI ISNRGENSCK ATGQVCHALC SPEGCWGPEP
RDCVSCRNVS RGRECVDKCN LLEGEPREFV ENSECIQCHP ECLPQAMNIT CTGRGPDNCI
QCAHYIDGPH CVKTC PAVGM GENNTLVWKY ADAGHVCHLC HPNCTYGCTG PGLEGCPNTG
PKIPS

Tag: N-terminal His tag and C-terminal Myc tag

Buffer: Prior to lyophilization: PBS, pH 7.4 containing 6% Trehalose.
Volume prior to lyophilization: 27 µl per vial.

Activity: Active

Biological Activity: Biological activity was measured by binding ability in functional ELISA of EGFR protein (0.1 µg/well) with a recombinant EGFR antibody (0.007629 ng/ml - 1000 ng/ml).
Detection antibody: [abx341004](#) - Goat anti-Human IgG Fc gamma fragment specific antibody (1/10000 dilution).
EC50: 0.6154 ng/ml - 0.7361 ng/ml.

Endotoxin Level: < 1.0 EU/µg as determined by LAL method.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.