

32-8434: Recombinant Human Epidermal Growth Factor Receptor/EGFR/ErbB1/HER1 (C-Fc)

Gene : EGFR
Gene ID : 1956
Uniprot ID : P00533

Description

Source: Human Cells.
MW :95.7kD.

Recombinant Human EGFR is produced by our Mammalian expression system and the target gene encoding Leu25-Ser645 is expressed with a Fc tag at the C-terminus. EGFR 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. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Activates at least 4 major downstream signaling cascades including the RAS-RAF-MEK-ERK, PI3 kinase-AKT, PLCgamma-PKC and STATs modules. May also activate the NF-kappa-B signaling cascade. Also directly phosphorylates other proteins like RGS16, activating its GTPase activity and probably coupling the EGF receptor signaling to the G protein-coupled receptor signaling.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : LEEKKVCQGTSNKLTLQGTGFEDHFLSLQRMFNCEVVLGNLEITYVQRNYDLSFLKTIQEVAGYVLIALNTVERIP
LENLQIIRGNMYENSYALAVLSNYDANKTGLKELPMRNLQEILHGAVRFSNNPALCNVESIQWRDIVSSDFLSN
MSMDFQNHGSCQKCDPSCPNGSCWGAGEENCQKLTKIICAQQCSGRCRGKSPDCCCHNQCAAGCTGPRE
SDCLVCRKFRDEATCKDTCPLMLYNPTTYQMDVNPEGKYSFGATCVKKCPRNYVVDHGCVSRACGADSYE
MEEDGVRKCKKCEGPCRKVCNGIGIGEFKDSLSINATNIKHFKNCTSISGDLHLPLVAFRGDSFTHTPPLDPQEL
DILKTVKEITGFLLIQAWPENRTDLHAFENLEIRGRTKQHGGQFSLAVVSLNITSLGLRSLKEISDGDVVISGNKSLC
YANTINWKKLFGTSGQTKIISNRGENSCKATGQVCHALCSPEGCWGPEPRDCVSCRNVSRGRECVDKCNLLE
GEPREFVENSECIQCHPECLPQAMNITCTGRGPDNCIQCAHYIDGPHCVKTCPAGVMGENNTLVWKYADAGH
VCHLCHPNCTYGCTGPGLEGCPNPKIPSVDDIEGRMDEPKSCDKTHTCPPAPELLGGPSVFLFPPKPKDT
LMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCK
VSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPV
LDSGGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.