

Product datasheet for DA3557

EGFR / ERBB1 Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	EGFR / ERBB1 human recombinant protein, 25 µg
Species:	Human
Expression Host:	Insect
Expression cDNA Clone or AA Sequence:	LEEKVCQGT SNKLTQLGTF EDHFLSLQRM FNNCEVLGN LEITYVQRNY DLSFLKTIQE VAGYVLIALN TVERIPLNL QIIRGNMYE NSYALAVLSN YDANKTGLKE LPMRNLQEIL HGAVRFSNNP ALCNVESIQRW RDIVSSDFLS NMSMDFQNLH GSCQKCDPSC PNGSCWGAGE ENCQKLTKII CAQQCSGRCR GKSPSDCCHN QCAAGCTGPR ESDCLVCRKF RDEATCKDTC PPLMLYNPTT YQMDVNPEGK YSGATCVKK CPRNYVVDH GSCVRACGAD SYEMEEDGVR KCKKCEGPCR KVCNGIGIGE FKDSLINAT NIKHFKNCTS ISGDLHILPV AFRGDSFTHT PPLDPQELDI LKTVKEITGF LLIQAWPENR TDLHAFENLE IIRGRKQHG QFSLAVSLN ITSLGLRSLK EISDGDVIIS GNKNLCYANT INWKKLFGTS GQKTKIISNR GENSCKATGQ VCHALCSPEG CWGPEPRDCV SCRNVSRGRE CVDKCNLLEG EPREFVENSE CIQCHPECLP QAMNITCTGR GPDNCIQCAH YIDGPHCVKT CPAGVMGENN TLVWKYADAG HVCHLCHPNC TYGCTGPGLE GCPTNGPKIP SWSHPQFEK
Predicted MW:	~ 80 kDa
Purity:	~90% by SDS-PAGE and visualized by silver stain
Buffer:	Presentation State: Purified State: Lyophilized protein Stabilizer: None
Bioactivity:	Biological: Measured by its ability to bind rhEGF in a functional ELISA (BioLISA)
Endotoxin:	< 0.1 ng per µg of sEGFR
Reconstitution Method:	The lyophilized sEGFR is soluble in water and most aqueous buffers and should be restored in PBS or medium to a concentration of not lower than 50 µg/ml.
Preparation:	Lyophilized protein
Protein Description:	Recombinant Human soluble EGFR, fused to a C-terminal Strep-tag, is produced as a glycosylated monomeric protein with a mass of approximately 80kDa in insect cells.



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Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001333826
Locus ID:	1956
UniProt ID:	Q504U8
Cytogenetics:	7p11.2
Synonyms:	ERBB; ERBB1; ERRP; HER1; mENA; NISBD2; PIG61
Summary:	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]
Protein Families:	Adult stem cells, Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Secreted Protein, Stem cell relevant signaling - JAK/STAT signaling pathway, Transmembrane
Protein Pathways:	Adherens junction, Bladder cancer, Calcium signaling pathway, Colorectal cancer, Cytokine-cytokine receptor interaction, Dorso-ventral axis formation, Endocytosis, Endometrial cancer, Epithelial cell signaling in Helicobacter pylori infection, ErbB signaling pathway, Focal adhesion, Gap junction, Glioma, GnRH signaling pathway, MAPK signaling pathway, Melanoma, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton

Product images:

