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Datasheet for ABIN7317119

EGFR Protein (AA 668-1210) (GST tag,His tag)

1 Image

Overview

Quantity:	50 µg
Target:	EGFR
Protein Characteristics:	AA 668-1210
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EGFR protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Human EGFR/ErbB1 Protein (aa 668-1210, His&GST Tag)(Active)
Sequence:	Met 668-Ala 1210
Characteristics:	A DNA sequence encoding the cytoplasmic domain (Met 668-Ala 1210) of human EGFR (NP_005219) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	The specific activity was determined to be 105 nmol/min/mg using Poly(Glu:Tyr) 4:1 as substrate.

Target Details

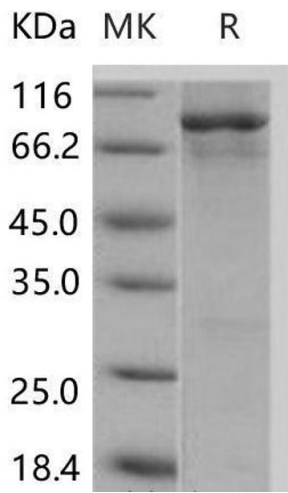
Target:	EGFR
Alternative Name:	EGFR/ErbB1 (EGFR Products)
Background:	<p>Background: As a member of the epidermal growth factor receptor (EGFR) family; EGFR protein is type I transmembrane glycoprotein that binds a subset of EGF family ligands including EGF; amphiregulin; TGF-α; betacellulin; etc. EGFR protein plays a crucial role in signaling pathway in the regulation of cell proliferation; survival and differentiation. Binding of a ligand induces EGFR protein homo- or heterodimerization; the subsequent tyrosine autophosphorylation and initiates various down stream pathways (MAPK; PI3K/PKB and STAT). In addition; EGFR signaling also has been shown to exert action on carcinogenesis and disease progression; and thus EGFR protein is proposed as a target for cancer therapy currently.</p> <p>Immune Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy</p> <p>Synonym: ERBB;ERBB1;HER1;mENA;NISBD2;PIG61</p>
Molecular Weight:	89.1 kDa
NCBI Accession:	NP_005219
Pathways:	NF-kappaB Signaling , RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Stem Cell Maintenance , Hepatitis C , Positive Regulation of Response to DNA Damage Stimulus , Interaction of EGFR with phospholipase C-gamma , Thromboxane A2 Receptor Signaling , EGFR Downregulation , S100 Proteins

Application Details

Restrictions: For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.