

Datasheet for ABIN5564311

EGFR Protein (Soluble) (Strep Tag)



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Overview

Quantity:	25 µg
Target:	EGFR
Protein Characteristics:	Soluble
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EGFR protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	EGFR, Soluble (human) (rec.)
Cross-Reactivity:	Human
Characteristics:	Human EGFR (629aa) is fused at the C-terminus to a Strep-tag.
Purity:	>90 % (SDS-PAGE)

Target Details

Target:	EGFR
Alternative Name:	EGFR (EGFR Products)
Background:	Epidermal Growth Factor Receptor, ERBB1, HER1 EGFR has been shown to bind a subset of the EGF family ligands, including EGF, amphiregulin,

Target Details

TGF-alpha, betacellulin, epiregulin, heparin-binding EGF and neuregulin-2 in the absence of a co-receptor. Ligand binding induces EGFR homodimerization as well as heterodimerization with ErbB2, resulting in kinase activation, tyrosine phosphorylation and cell signaling. EGFR signaling has been shown to regulate multiple biological functions including cell proliferation, differentiation, motility and apoptosis. In addition, EGFR signaling has also been shown to play a role in carcinogenesis.

Molecular Weight: ~85kDa

UniProt: [P00533](#)

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

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Handling Advice: After reconstitution, prepare aliquots and store at -20 °C. Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution.

Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Use & Stability: Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months