

EGFR 蛋白 (ECD Ⅲ)

种属:	Human Cells
表达系统:	Prokaryotic expression system $\sqrt{2}$ Eukaryotic expression system
标签:	N-His; C-His-C9R
同用名:	EGFR; ErbB-1; HER1
分子量:	19.1 KDa
纯度:	Greater than 95% as determined by Tris-Bis PAGE.
储存条件:	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris, 100 mM NaCl, pH 7.4.
备注:	Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water.
	Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
储存时间:	Lyophilized protein should be stored at \leq -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.
	Aliquots of reconstituted samples are stable at \leq -20°C for 3 months.
运输:	The product is shipped at ambient temperature.
	Upon receipt, store it immediately at the temperature listed below.

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背景:

EGFR is a member of the ErbB receptor family, which includes EGFR (ErbB-1), HER2/c-neu (ERbB-2), Her 3 (ERbB-3) and Her 4 (ERbB-4). EGFR is also known as HER1 or ErbB1, and mutations or overexpression of EGFR generally cause tumors. All EGFR family members have modular structures, including extracellular ligand-binding domains, a single hydrophobic transmembrane region, and intracellular portions containing highly conserved tyrosine kinase domains. EGFR is located on the surface of cell membranes and binds to ligands to activate intracellular signaling pathways that regulate a variety of biological responses, including proliferation, differentiation, cell motility, and survival. The main growth factor ligands to which it binds include EGF and transforming growth factor α (TGF α). When the EGFR gene is amplified, that is, overexpressed, an excess of receptors appear on the cell surface, allowing the cell to grow and divide uncontrollably, that is, inducing normal cells to transform into cancer cells, and providing conditions for cancer cells to continue to survive. Alternatively, EGFR mutations cause changes in the way the receptor behaves, causing it to continuously attract epidermal growth factor proteins to the cell surface, a condition that can similarly promote abnormal cell growth. Members of the epidermal growth factor receptor (EGFR) family are commonly overexpressed on the surface of tumor cells of epithelial origin and play a role in their proliferation, survival, and angiogenesis.

展示数据:

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