

## Human EGF Recombinant Protein 说明书

货号: JFKR-RP03-100ug/ JFKR-RP03-1mg

规格: 100 ug /1mg

浓度: 冻干粉

种属: Human

保存条件: -20°C, 1 年, -80°C, 2 年

运输条件: 常温

表达体系: E. coli

氨基酸序列:

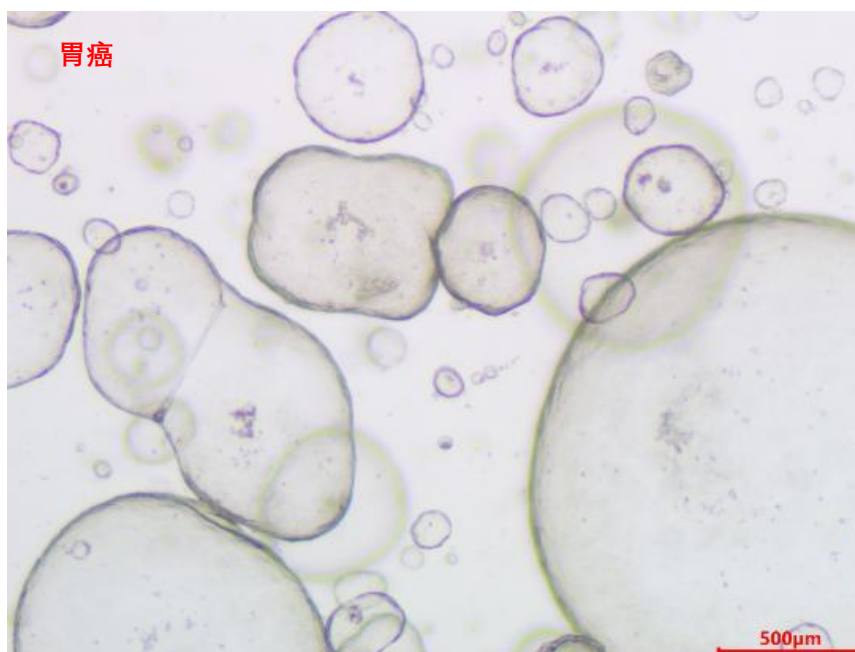
NSDSECPLSHDGYCLHDGVCMYIEALDKYACNCVVGYIGERCQYRDLKWWE  
LR

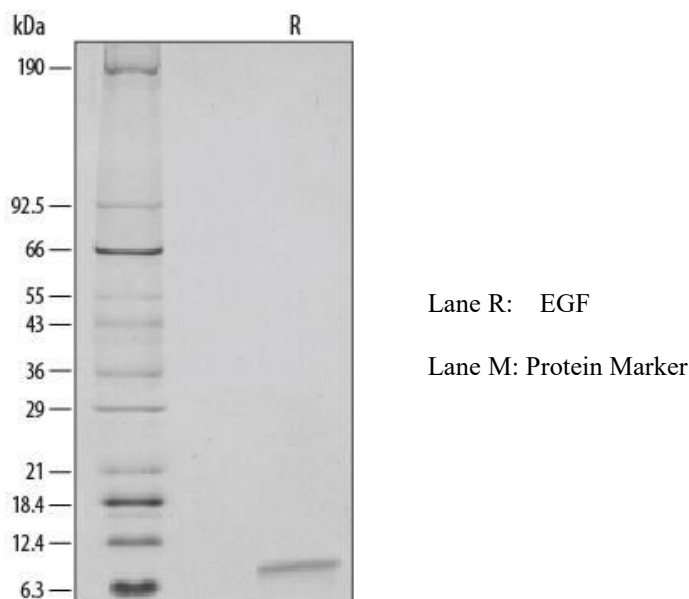
分子量: 6.3 kDa

内毒素: < 1.0 EU/μg of the protein as determined by the LAL method

纯度: 还原纯度 (SDS-PAGE) >95%

活性: 经过胃癌类器官测试, 胃癌类器官生长良好





### EGF 蛋白介绍:

EGF (Epidermal growth factor) exerts its actions by binding to the EGF Receptor, a 170 kDa protein kinase. Activation of EGFR initiates diverse cellular pathways in response to toxic environmental stimuli, or to EGF binding to the receptor, the EGFR forms homo- or heterodimers with other family members. Each dimeric receptor complex initiates a distinct signaling pathway by recruiting different Src homology 2 (SH2) containing effector proteins. EGF is far and wide expressed in kidney, cerebrum, prostate and salivary glands. EGF acts as a potent mitogenic factor and the phosphorylated receptor recruits adapter proteins like GRB2 that activates complex downstream signaling cascades. EGF activates at least 4 major downstream signaling cascades including the RAS-RAF-MEK-ERK, PI3 kinase-AKT, PLCgamma-PKC and STAT modules. Research studies suggest the protein may also play important role in activating the NF-kappa-B signaling cascade. Defects in the EGGF gene are the cause of hypomagnesemia type 4 and dysregulation has been associated with the growth and progression of certain cancers.

### 运用范围:

For Laboratory Research Use Only. Not For Use In Diagnostic Procedures.