

Data Sheet**Recombinant Human Epidermal Growth Factor (EGF)**

Preclinical Grade - Order No.: 1416-010 / 1416-050 / 1416-250

Source	A DNA sequence encoding the mature EGF protein was expressed in <i>E. coli</i>
Production	Final manufacturing steps and QC are performed in a GMP facility
Molecular mass	The methionyl form of the <i>E. coli</i> expressed mature human EGF contains 60 amino acid residues (including a C-terminal His6-tag) and has a molecular mass of 7.2 kDa
Purity	≥ 95%, as determined by HPLC
Endotoxin level	< 1000 EU/mg, as determined by LAL gel clot test
Activity	≥ 0.5 ×10 ⁶ IU/mg calibrated against the 1 st International Standard NIBSC, #91/530 Measured in a cell proliferation assay using an EGF-dependent cell line, Balb/3T3
Sterility	Sterility test of the vial product (direct inoculation)
Formulation	Lyophilized from a 0.2 µm-filtered solution containing 25 mM Na-acetate
Mass per vial	250 µg, 50 µg or 10 µg, as determined by spectrophotometrical measurement at 280 nm
Transport	Ambient temperature
Storage at	-20°C or below. Avoid repeated freeze-thaw cycles
Shelf life	3 years from date of shipment

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Manufacturer

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