

## Product Datasheet

### Recombinant EGF, Human (orb1494895)

<b>Description</b>	Epidermal Growth Factor (EGF) is a polypeptide growth factor which stimulates the proliferation of a wide range of epidermal and epithelial cells. Recombinant human Epidermal Growth Factor (EGF) is a 6,200 Da protein containing 53 amino acid residues.
<b>Endotoxins</b>	Less than 0.1ng/μg (1 EU/μg) of recombinant human Epidermal Growth Factor (EGF) as determined by LAL test.
<b>Preservatives</b>	Recombinant human Epidermal Growth Factor (EGF) was lyophilized after extensive dialysis against 10mM Phosphate buffer, pH 7.0, 200mM NaCl buffer.
<b>Form/Appearance</b>	Recombinant human Epidermal Growth Factor (EGF) was lyophilized after extensive dialysis against 10mM Phosphate buffer, pH 7.0, 200mM NaCl buffer.
<b>Storage</b>	Lyophilized recombinant Human Epidermal Growth Factor (rhEGF) remains stable up to 12 months at -80°C from date of receipt. Upon reconstitution, rhEGF should be stable up to 4 weeks at 4°C or up to 6 months at -20°C.
<b>Note</b>	For research use only
<b>Application notes</b>	It is recommended to reconstitute the lyophilized recombinant human Epidermal Growth Factor (EGF) in sterile 18 MΩ-cm H <sub>2</sub> O not less than 100 μg/ml, which can then be further diluted to other aqueous solutions.
<b>Protein Sequence</b>	MNSDSECPLS HDGYCLHDGV CMYIEALDKY ACNCVVG YIG ERCQYRDLKW WELR
<b>Purity</b>	Greater than 95% as determined by (a) Analysis by SEC-HPLC(b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel
<b>Source</b>	Escherichia coli.
<b>MW</b>	6.0 kDa +/-10% determined by reduced SDS-PAGE
<b>Expiration Date</b>	6 months from date of receipt.

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