



Mouse EGF

100 µg
500 µg

130-094-036
130-094-037

Description:

Epidermal growth factor (EGF) is a polypeptide growth factor which stimulates the proliferation of a wide range of epidermal and epithelial cells. Recombinant Mouse EGF is a 6.0 kDa protein containing 53 amino acid residues.

Source:	<i>E. coli</i>
Molecular mass:	6.0 kDa
Specific activity:	$\geq 1 \times 10^7$ U/mg
Purity:	>97% (SDS-PAGE, HPLC)
Endotoxin level:	<0.1 ng/µg (1 EU/µg)
Buffer:	PBS (pH 7.5)
Stabilizer:	None
Product format:	Sterile filtered, lyophilized

Biological activity:

The ED₅₀ of ≤ 0.1 ng/mL was determined by a cell proliferation assay using BALB/c 3T3 cells. It corresponds to a specific activity of $\geq 1 \times 10^7$ U/mg.

Reconstitution:

We recommend a quick spin followed by reconstitution in deionized sterile-filtered water to a concentration of 0.5–1.0 mg/mL. This solution can then be diluted into other aqueous buffers and stored at 4 °C for 1 week or stored in working aliquots at –20 °C. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Storage:

The lyophilized protein is stable for a few weeks at room temperature, but best stored at –20 °C. Reconstituted Mouse EGF should be stored in working aliquots at –20 °C. Avoid repeated freeze-thaw cycles.

All protocols and data sheets are available at www.miltenyibiotec.com.

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