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Recombinant Murine EGF

Description: Murine Epidermal Growth Factor (EGF) is a polypeptide growth factor which stimulates the proliferation of a wide range of epidermal and epithelial cells. Murine EGF is a 6.0 kDa protein containing 53 amino acid polypeptide chains.

Source:	E.coli
Molecular Weight:	6.0 kDa
Purity:	> 98% (SDS-PAGE; HPLC)
Endotoxin level:	< 0.1 ng/µg of EGF
Stabilizer:	none
Formulation:	lyophilized

Biological Activity: Murine EGF is fully biologically active when compared to standards. The ED₅₀ as determined by the dose-dependent stimulation of thymidine uptake by BALB/c 3T3 cells is < 0.15 ng/ml.

Reconstitution: The lyophilized EGF is soluble in most aqueous buffers. The lyophilized protein should be reconstituted in water to a concentration of 1 mg/ml. Once the protein is completely solubilized, the pH can be adjusted to the physiological range and the EGF will remain in solution.

Stability: The lyophilized protein, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted EGF should be stored in working aliquots at -20°C. **Avoid repeated freeze-thaw cycles.**

Usage: Murine EGF is offered for research use. Not for drug use. **Not for human use.**

Catalogue number: M10-002

Size: 100 µg

Range: 0.1-10.0 ng/ml

****please note: always centrifuge product before opening vial****