

recombinant human Epidermal Growth Factor (rhEGF)

Recombinant protein

For research use only; not for therapeutic or *in vitro* diagnostic use

Cat. No.	Form	Volume	Quantity*
BMS320	Purified	Lyophilized	500 µg

*Bulk quantities are available on request.

Source:	<i>E. Coli</i>
Description:	Recombinant Human EGF produced in <i>E. coli</i> is a single, non-glycosated, polypeptide chain containing 53 amino acids and having a molecular mass of 6222 Dalton.
Presentation:	The sterile filtered solution was lyophilized with no additives.
Purity:	Greater than 98% by SDS-PAGE and HPLC analyses.
Reconstitution:	We recommend to reconstitute the lyophilized Epidermal Growth Factor in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can be further diluted to other aqueous solutions.
Biological Activity:	The ED ₅₀ , calculated by the dose-dependent proliferation of murine BALB/c 3T3 cells (measured by 3H-thymidine uptake) is < 0.1ng/ml corresponding to a specific activity of 1x10 ⁷ Units/mg.
Storage and Stability:	The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted EGF should be stored in working aliquots at -20°C.

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