



Recombinant EGF (>98%) (DAGA-966)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Epidermal growth factor (EGF) stimulates cell growth and differentiation by binding to its receptor, EGFR. Human EGF is a 6-kDa protein with 53 amino acid residues and three intramolecular disulfide bonds. EGF was originally described as a secreted peptide found in the submaxillary glands of mice and in human urine. EGF has since been found in many human tissues including submandibular gland, parotid gland. Initially, human EGF was known as urogastrone.
Purity	>98% by RP-HPLC and SDS-PAGE
Conjugate	TBD
Applications	The ED50 calculated by the dose-dependent proliferation of murine Balb/c 3T3 cells (measured by 3Hthymidine uptake) is <0.1ng/ml corresponding to a specific activity of 1 x 10 ⁷ Units/mg. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Lyophilized
Concentration	Batch dependent - please inquire should you have specific requirements
Preservative	None

BACKGROUND

Keywords	EGF;epidermal growth factor;epidermal growth factor (beta urogastrone);pro-epidermal growth factor;beta-urogastrone;URG;HOMG4
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