ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Epidermal Growth Factor Human Recombinant, Pichia

Item Number	rAP-2173
Synonyms	Urogastrone, URG, EGF.
Description	Epidermal Growth Factor Human Recombinant produced in Pichia Pastoris is a single, glycosylated, polypeptide chain containing 51 amino acids and having a molecular mass of 6KDa.The EGF is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q6QBS2
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Asn-Ser-Asp-Ser-Glu, which agrees with the sequence of native EGF human.N-terminal methionine has been completely removed enzymatically.
Source	Pichia Pastoris.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Epidermal Growth Factor Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EGF should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Formulation and Purity	Each lyophilized mg contains 0.15M NaCl, 0.025M sodium bicarbonate, pH-7.5. Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Epidermal Growth Factor in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50, calculated by the dose-dependant proliferation of murine BALB/c 3T3 cells (measured by 3H-thymidine uptake) is < 0.1 ng/ml corresponding to a specific activity of 10,000,000Units/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only