

Epidermal Growth Factor Long Human Recombinant

Item Number	rAP-2179
Synonyms	Urogastrone, URG, EGF.
Description	Recombinant Human EGF Long produced in E.coli cells is a single non-glycosylated, polypeptide chain containing 106 amino acids and having a molecular mass of 12.3kDa. The EGF Long is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P01133
Amino Acid Sequence	MFPAMPLSSL FANAVLRAQH LHQLAADTYK EFERAYIPEG QRYSIQVNFA HYGNSDSECP LSHDGYCLHD GVCMYIEALD KYACNCVVG YIGERCQYRDL KWWELR
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized EGF Long although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EGF Long 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	The EGF Long was lyophilized from a 0.2µm filtered concentrated solution in 10mM HCl. 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 EGF Long in sterile 100mM AcOH (acetic Acid) not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by a cell proliferation assay using murine Balb/c 3T3 cells is less than 1.0 ng/ml, corresponding to a specific activity of > 1.0 × 10 ⁶ IU/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**