

RPPB0185

Product Information Protein Information

Product SKU:

RPPB0185

Accession:

O14944

Host:

Escherichia Coli.

Protein description:

Epiregulin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 50 amino acids and having a molecular mass of 6 kDa. Epiregulin is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

EREG, Epiregulin, ER.

Formulation:

Epiregulin was lyophilized from 0.5mg/ml solution containing 20mM PBS buffer pH-7.4 containing 130mM sodium chloride.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Epiregulin in sterile 18MΩ-cm H₂O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Epiregulin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Epiregulin 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.

Amino Acid Sequence:

MVAQVSITKC SSDMNGYCLH GQCIYLDMS QNYCRCEVGY TGVRCEHFFL.

Biological Activity:

The ED₅₀ was determined by the dose-dependent stimulation of the proliferation of murine Balb/3T3 cells is < 2.0 ng/ml, corresponding to a specific activity of > 500,000 units/mg.