

Recombinant Feline Pro-Epidermal Growth Factor (EGF)

Cat. No.: AP2C235

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Feline Pro-Epidermal Growth Factor (EGF) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 133.6 kDa. The purity is >85% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Feline
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	133.6 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 6% Trehalose.

Target Information

Feline pro-epidermal growth factor (EGF) is a key member of the EGF superfamily, stimulating the growth of various epidermal and epithelial tissues both in vivo and in vitro. It promotes cellular proliferation, differentiation, and survival by binding to the epidermal growth factor receptor (EGFR) with high affinity and activating its intrinsic tyrosine kinase activity. This process triggers a signal transduction cascade that leads to biochemical changes within the cell, ultimately resulting in DNA synthesis and cell proliferation. EGF also plays an important physiological role in maintaining the integrity of oral, esophageal, and gastric tissues.

Protein	Feline Pro-Epidermal Growth Factor (EGF)
Protein Synonym	Pro-epidermal growth factor
Gene ID	493978
UniProt ID	Q95ND4

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.