

Recombinant Canine Epidermal Growth Factor (EGF), N-His

Cat. No.: AP7F410

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Canine Epidermal Growth Factor (EGF), N-His is a recombinant protein expressed from *E. coli* expression system. Its predicted molecular weight is 17.3 kDa. The purity is >97% (SDS-PAGE). The endotoxin level is <1 EU/µg (LAL). It can be used as a positive control or as an immunogen.

Specifications

Type	Recombinant Protein
Species	Canine
Expression System	<i>E. coli</i>
Purity	>97% (SDS-PAGE)
Endotoxin	<1 EU/µg (LAL)
Predicted Molecular Weight	17.3 kDa
Molecular Weight	18 kDa
Physical State	Lyophilized
Formulation	PBS, pH 7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Epidermal growth factor is encoded by the *EGF* gene in dogs. Research has shown that EGF enhances the malignant phenotype in canine mammary carcinoma cell lines.

Protein	Canine Epidermal Growth Factor (EGF)
Protein Synonym	epidermal growth factor, CEGF, pro-epidermal growth factor, epidermal growth factor (beta-urogastrone)
Gene ID	403657
UniProt ID	Q9BEA0

Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store for 4 weeks at 2-8°C, for 12 months at -80°C.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10 mM PBS (pH 7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex. Aliquote the reconstituted solution to minimise 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.