

Active Recombinant Canine EGF protein(Asn973-Arg1024), His-tagged

Cat. No. EGF-362C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine EGF (Q9BEA0) (Asn 973-Arg 1024) was expressed in E. coli fused with a polyhistidine tag at the N-terminus.
Species	Canine
Source	E.coli
ProteinLength	Asn973-Arg1024
Form	Lyophilized from sterile PBS, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured in a cell proliferation assay using Balb 3T3 mouse embryonic fibroblasts. The EC50 for this effect is typically 0.5-3 ng/ml.
Molecular Mass	The recombinant Canine EGF consists of 68 amino acids and has a calculated molecular mass of 8.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of Canine EGF is approximately 12 kDa.
Purity	> 98 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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