

## Recombinant Feline Elongation Factor 1-Alpha 1 (EEF1A1)

Cat. No.: AP2C207

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

### Product Overview

BioVenic's Recombinant Feline Elongation Factor 1-Alpha 1 (EEF1A1) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 50.1 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	50.1 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 6% Trehalose.

### Target Information

Feline elongation factor 1-alpha 1 (EEF1A1) is a key protein involved in protein synthesis, catalyzing the GTP-dependent binding of aminoacyl-tRNA to the ribosome during translation elongation. In cats, EEF1A1 is essential for cellular functions, including maintaining cytoskeleton stability and regulating apoptosis. It also has non-canonical roles in stress response and metabolic regulation. Understanding EEF1A1 in felines is important for studying cellular processes and potential disease mechanisms.

Protein	Feline Elongation Factor 1-Alpha 1 (EEF1A1)
Protein Synonym	Elongation factor Tu (EF-Tu); Eukaryotic elongation factor 1 A-1 (eEF1A-1)
Gene ID	<a href="#">493922</a>
UniProt ID	<a href="#">Q66RN5</a>

### 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.

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### **User Note**

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

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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.