

## Recombinant Feline Acetylcholine Receptor Subunit Alpha (CHRNA1)

Cat. No.: AP2C123

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

### Product Overview

BioVenic's Recombinant Feline Acetylcholine Receptor Subunit Alpha (CHRNA1) is a recombinant protein expressed from *E. coli*. Its predicted molecular weight is 9.8 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	9.8 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 6% Trehalose.

### Target Information

Feline Acetylcholine Receptor Subunit Alpha (CHRNA1) is a key component of the nicotinic acetylcholine receptor (nAChR) at the neuromuscular junction. CHRNA1 mediates acetylcholine binding and channel opening, regulating nerve signal transmission. It plays a crucial role in skeletal muscle contraction, and its dysfunction can lead to congenital myasthenic syndromes.

Protein	Feline Acetylcholine Receptor Subunit Alpha (CHRNA1)
Protein Synonym	Acetylcholine receptor subunit alpha
UniProt ID	<a href="https://www.uniprot.org/entry/P54250">P54250</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.

## 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.