

Recombinant Feline Beta-2 Adrenergic Receptor (ADRB2)

Cat. No.: AP2C245

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Feline Beta-2 Adrenergic Receptor (ADRB2) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 46.7 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	46.7 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 6% Trehalose.

Target Information

The feline β 2-adrenergic receptor (ADRB2) is a G protein-coupled receptor that mediates smooth muscle relaxation, bronchodilation, and cardiovascular functions. It activates adenylate cyclase through binding with adrenaline or noradrenaline, increasing cAMP levels. ADRB2 also regulates immune responses and metabolism, such as controlling glucose homeostasis in pancreatic β -cells by suppressing VEGF-A expression. It holds potential for treating cardiovascular diseases, asthma, and metabolic disorders.

Protein	Feline Beta-2 Adrenergic Receptor (ADRB2)
Protein Synonym	ADRB2; Beta-2 adrenergic receptor; Beta-2 adrenoreceptor; Beta-2 adrenoceptor
Gene ID	493767
UniProt ID	Q9TST5

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.