

Recombinant Feline Choline/Ethanolamine Transporter FLVCR1 (FLVCR1)

Cat. No.: AP2C250

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Feline Choline/Ethanolamine Transporter FLVCR1 (FLVCR1) is a recombinant protein expressed from *E. coli*. Its predicted molecular weight is 60.4 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	60.4 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 6% Trehalose.

Target Information

Feline Choline/Ethanolamine Transporter FLVCR1 (FLVCR1) is a widely expressed transmembrane protein involved in the transport of heme, choline, and ethanolamine. It imports extracellular choline and ethanolamine into cells to initiate the Kennedy pathway for phospholipid synthesis. FLVCR1 also regulates erythropoiesis by controlling intracellular heme levels. Mutations in FLVCR1 are associated with several neurodegenerative diseases, such as posterior column ataxia and retinitis pigmentosa.

Protein	Feline Choline/Ethanolamine Transporter FLVCR1 (FLVCR1)
Protein Synonym	Feline leukemia virus subgroup C receptor 1
Gene ID	493854
UniProt ID	Q9N1F2

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.