

Recombinant Feline Sodium-Dependent Phosphate Transporter 2 (SLC20A2)

Cat. No.: AP2C239

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Feline Sodium-Dependent Phosphate Transporter 2 (SLC20A2) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 70.5 kDa. The purity is >85% (SDS-PAGE).

Specifications

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|----------------------------|--------------------------------------|
| Type | Recombinant Protein |
| Species | Feline |
| Expression System | <i>E.coli</i> |
| Purity | >85% (SDS-PAGE) |
| Predicted Molecular Weight | 70.5 kDa |
| Physical State | Lyophilized |
| Formulation | Tris/PBS-based buffer, 6% Trehalose. |

Target Information

Feline Sodium-Dependent Phosphate Transporter 2 (SLC20A2) is a type 3 sodium-dependent phosphate symporter that plays a critical role in phosphate homeostasis by mediating cellular phosphate uptake. This protein is essential for maintaining phosphate balance and involves various physiological processes, including bone mineralization and energy metabolism. Additionally, SLC20A2 has been implicated in susceptibility to viral infections as a gamma-retroviral receptor.

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| Protein | Feline Sodium-Dependent Phosphate Transporter 2 (SLC20A2) |
| Protein Synonym | SLC20A2; PIT2; Sodium-dependent phosphate transporter 2; Phosphate transporter 2; FePit2; PiT-2; Solute carrier family 20 member 2 |
| Gene ID | 493788 |
| UniProt ID | Q95L97 |

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.