

Recombinant Mouse Alpha-1-Acid Glycoprotein 1 (Orm1)

Cat. No.: AP4C336

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Mouse Alpha-1-Acid Glycoprotein 1 (Orm1) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is N/A. The purity is > 90%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	<i>E.coli</i>
Purity	> 90%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	N/A
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Target Information

In mice, Alpha-1-Acid Glycoprotein 1 (Orm1) is an acute-phase protein primarily synthesized in the liver. It plays a role in the inflammatory response and is upregulated during stress, infection, or injury. Orm1 is involved in various physiological processes, including immune modulation and metabolic regulation. Studies show that Orm1 can bind to leptin receptors in the hypothalamus, inhibiting food intake and influencing glucose metabolism. In cancer research, Orm1 has been linked to tumor progression, particularly in colorectal cancer liver metastasis, where it promotes macrophage M2 polarization, creating a pro-tumor immune microenvironment. Orm1 is also associated with liver regeneration and fibrosis, with its expression increasing during liver injury and regeneration. Overall, Orm1 is a multifunctional protein with applications in studying inflammation, cancer, and metabolic disorders.

Protein	Mouse Alpha-1-Acid Glycoprotein 1 (Orm1)
Protein Synonym	AGP 1; Orosomucoid-1; Orm1; Agp1; Orm-1
Gene ID	18405
EC No.	Q60590

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°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. Reconstitute in PBS or others. 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.