

Recombinant Mouse Cyclin-Dependent Kinase Inhibitor 2A (Cdkn2a), N-His

Cat. No.: AP4C327

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Mouse Cyclin-Dependent Kinase Inhibitor 2A (Cdkn2a), N-His is a recombinant protein expressed from *E. coli*. Its predicted molecular weight is 19.8 kDa. The purity is > 97%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	<i>E. coli</i>
Purity	> 97%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	19.8 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Mouse Cyclin-Dependent Kinase Inhibitor 2A (Cdkn2a) is a critical regulator of cell cycle progression and apoptosis. It encodes two distinct tumor suppressors, p16INK4a and p19ARF, which play essential roles in the retinoblastoma and p53 pathways, respectively. Cdkn2a is involved in various biological processes, including negative regulation of lymphocyte proliferation, positive regulation of the apoptotic process, and regulation of transcription.

Protein	Mouse Cyclin-Dependent Kinase Inhibitor 2A (Cdkn2a)
Protein Synonym	Cdkn2a; P16ink4a
Gene ID	12578
EC No.	P51480

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 10 mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. 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.