9051 Mira Mesa Blvd, #910094
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ARPP19 Human

CAMP-Regulated Phosphoprotein, 19kDa Human Recombinant
RCP0121

Product Overview

Name	ARPP19 Human
Description	
CAMP-Regulated Phosphoprotein, 19kDa Human Recombinant	
Accession (Primary)	P56211
Synonyms	
CAMP-Regulated Phosphoprotein 19kDa, ARPP-19, ARPP16, Endosulfine Alpha-Like, ARPP-16, ENSAL, CAMP-Regulated Phosphoprotein 19, Cyclic AMP Phosphoprotein 19 KD, ARPP19.	
Introduction	
cAMP-regulated phosphoprotein 19 (ARPP19) is protein phosphatase inhibitor which specifically inhibits protein phosphatase 2A (PP2A) during mitosis. When phosphorylated at Ser-62 during mitosis, ARPP19 specifically interacts with PPP2R2D (PR55-delta) and inhibits its activity, leading to inactivation of PP2A, a vital condition to maintain cyclin-B1-CDK1 activity high during M phase. ARPP19 protein may indirectly boost GAP-43 expression. The 19 kDa cAMP-regulated phosphoprotein has a role in regulating mitosis by obstructing protein phosphatase-2A.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
ARPP19 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MSAEVPE AASAEEQKEM EDKVTSPEKA EEAKLKARYP HLGQKPGGSD FLRKRLQKGQ KYFDSGDYNM AKAKMKNKQL PTAAPDKTEV TGDHIPTPQD LPQRKPSLVA SKLAG.	
Precautions	

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ARPP19 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P56211)