

## 32-3249: ARPP19 Recombinant Protein

**Alternative Name** : CAMP-Regulated Phosphoprotein 19kDa,ARPP-19,ARPP16,Endosulfine Alpha-Like,ARPP-16,ENSAL,CAMP-Regulated Phosphoprotein 19,Cyclic AMP Phosphoprotein 19 KD,ARPP19.

### Description

Source : Escherichia Coli. ARPP19 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 135 amino acids (1-112 a.a) and having a molecular mass of 14.7kDa.ARPP19 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 20 µg   |
| <b>Purification :</b>      | Greater than 90.0% as determined by SDS-PAGE.   |
| <b>Content :</b>           | ARPP19 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.   |
| <b>Storage condition :</b> | 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. |
| <b>Amino Acid :</b>        | MGSSHHHHHH SSGLVPRGSH MGSMSAEVPE AASAEQKEM EDKVT SPEKA EEAKLKARYP<br>HLGQKPGGSD FLRKRLQKGQ KYFDSGDYNM AKAKMKNKQL PTAAPDKTEV TGDHIPTPQD<br>LPQRKPSLVA SKLAG.   |

