

Recombinant Human ARPP19 Protein, GST-tagged

Cat. No. ARPP19-154H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARPP19 fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	E.coli
Description	ARPP19, cAMP-regulated phosphoprotein 19, is specifically phosphorylated at Ser-62 during mitosis by MASTL, also known as the Greatwall kinase. The phosphorylation of ARPP19 leads to inactivation of PP2A through its interaction with PR55-delta, which is essential in maintaining the activity of CDK1/cyclin B1 and promoting mitotic G2/M transition. Significant reduction of ARPP-19 was observed in brains of Alzheimer's disease and Down syndrome. ARPP-19 was also found to contribute to tumor growth in hepatocellular carcinoma and papillary carcinoma.
Form	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol
Molecular Mass	46 kDa
Purity	> 95%
Applications	Western Blot
Stability	1 year at -70 centigrade from date of shipment.

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Storage	Store product at –70centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
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Concentration	0.5 ug/ml
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GENE INFORMATION

Gene Name	ARPP19 cAMP-regulated phosphoprotein, 19kDa [Homo sapiens(human)]
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Official Symbol	ARPP19
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Synonyms	ARPP19; ENSAL; ARPP16; ARPP-16; ARPP-19; cAMP-regulated phosphoprotein, 19kDa; cAMP-regulated phosphoprotein 19; cyclic AMP phosphoprotein, 19 kD
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Gene ID	10776
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mRNA Refseq	NM_006628
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Protein Refseq	NP_006619
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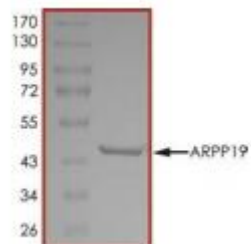
MIM	605487
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UniProt ID	P56211
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