
Product Data Sheet

Product Name: CDK2AP1 Human
 Cat. No.: GP22438
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cyclin-dependent kinase 2-associated protein 1; CDK2-associated protein 1; Putative oral cancer suppressor; Deleted in oral cancer 1; DOC-1; CDK2AP1; CDKAP1; DOC1; ST19; DORC1; p12DOC-1.		
Amino Acid Sequence	RGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSY KPNLAAHMPA AALNAAGSVH SPSTSMATSS QYRQLSDYG PPSLGYTQGT GNSQVPQSKY AELLAIEEL GKEIRPTYAG SKSAMERLKR GIIHARGLVR ECLAETERNA RS.		
Formulation	The CDK2AP1 solution contains 20mM Tris-HCl pH-8, 0.1M NaCl and 20% glycerol.		

Introduction

CDK2AP1 is a CDK2-associated protein that negatively regulates CDK2 activity by sequestering monomeric CDK2, and targeting CDK2 for proteolysis. CDK2AP1 interacts with DNA polymerase alpha and mediates the phosphorylation of the large p180 subunit, which implicates the regulatory role in DNA replication during S phase of the cell cycle.

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.

Background

CDK2AP1 Human Recombinant fused to 37 amino acid His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 152 amino acids (1-115 a.a.) and having a molecular mass of 16.6 kDa. The CDK2AP1 is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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