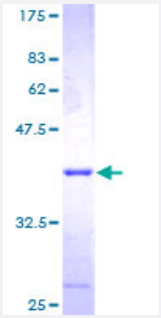
Full-Length

CDK2AP1 (Human) Recombinant Protein (P01)

Catalog # H00008099-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CDK2AP1 full-length ORF (AAH34717, 1 a.a. - 115 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSYKPNLAAHMPAAALNAAGSVHSPSTSMATSSQYRQLLSDYGPPSLGYTQGTGNSQVPQSKY AELLAIIEELGKEIRPTYAGSKSAMERLKRGIIHARGLVRECLAETERNARS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	38.39
Interspecies Antigen Sequence	Mouse (97); Rat (97)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CDK2AP1

Entrez GeneID	8099
GeneBank Accession#	BC034717
Protein Accession#	AAH34717
Gene Name	CDK2AP1
Gene Alias	DOC1, DORC1, ST19, doc-1, p12DOC-1
Gene Description	cyclin-dependent kinase 2 associated protein 1
Omim ID	602198
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a specific CDK2-associated protein, which is thought to negatively regulate CDK2 activity by sequestering monomeric CDK2, and targeting CDK2 for proteolysis. This protein was found to also interact with DNA polymerase alpha/primase and mediate the phosphorylation of the large p180 subunit, which suggested the regulatory role in DNA replication during S phase of the cell cycle. A similar gene in hamster was isolated from, and functions as a growth suppressor of normal keratinocytes. [provided by RefSeq
Other Designations	CDK2-associated protein 1|CDK2-associated protein 1|Deleted in oral cancer-1|cyclin-dependent kinase 2-associated protein 1|putative oral cancer suppressor