

Datasheet for ABIN7318294
CDK2AP2 Protein (His tag)



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Overview

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| Quantity: | 50 µg |
| Target: | CDK2AP2 |
| Origin: | Human |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CDK2AP2 protein is labelled with His tag. |

Product Details

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| Purpose: | Recombinant Human CDK2AP2 Protein (Human Cells, His Tag) |
| Sequence: | Met 1-Thr126 |
| Characteristics: | Recombinant Human Cyclin-Dependent Kinase 2-Associated Protein 2 is produced by our Mammalian expression system and the target gene encoding Met1-Thr126 is expressed with a 6His tag at the C-terminus. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |

Target Details

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| Target: | CDK2AP2 |
| Alternative Name: | CDK2AP2 (CDK2AP2 Products) |
| Background: | Background: CDK2AP2, also known as DOC1R, is short for cyclin-dependent kinase 2-associated protein 2. The gene CDK2AP2 encodes this protein that interacts with cyclin- |

Target Details

dependent kinase 2 associated protein 1. Pseudogenes associated with this gene are located on chromosomes 7 and 9. Alternatively spliced transcript variants have been observed for this gene. It belongs to the CDK2AP family. CDK2AP1 (cyclin-dependent kinase 2-associated protein 1), corresponding to the gene doc-1 (deleted in oral cancer 1), is a tumor suppressor protein. The doc-1 gene is absent or down-regulated in hamster oral cancer cells and in many other cancer cell types. The ubiquitously expressed CDK2AP1 protein is the only known specific inhibitor of CDK2, making it an important component of cell cycle regulation during G(1)-to-S phase transition.

Synonym: Cyclin-dependent kinase 2-associated protein 2,CDK2-associated protein 2,DOC-1-related protein,DOC-1R,CDK2AP2,DOC1R,p14

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| Molecular Weight: | 14.1 kDa |
| UniProt: | O75956 |
| Pathways: | PI3K-Akt Signaling , Cell Division Cycle , Mitotic G1-G1/S Phases , DNA Replication , M Phase , Synthesis of DNA |

Application Details

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| Restrictions: | For Research Use only |
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Handling

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| Format: | Lyophilized |
| Reconstitution: | Please refer to the printed manual for detailed information. |
| Buffer: | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |