



Recombinant Protein Technical Manual

Recombinant Human CDK2AP2 Protein (Human Cells, His Tag)

RPES0257

Product Data:

Product SKU: RPES0257

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O75956

Protein Information:

Molecular Mass: 14.1 kDa

AP Molecular Mass: 26 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Cyclin-dependent kinase 2-associated protein 2;CDK2-associated protein 2;DOC-related protein;DOCR;CDK2AP2;DOC1R;p14

Immunogen Information:

Sequence: Met 1-Thr126

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-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 (deleted in oral cancer 1), is a tumor suppressor protein. The doc 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.