Recombinant Human CDK2AP2 Protein (Human Cells, His Tag)

Catalog No. PKSH032232

Note: Centrifuge before opening to ensure complete recovery of vial contents.

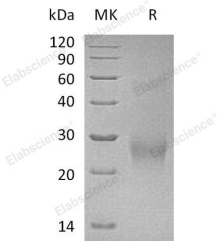
Description

Synonyms	Cyclin-dependent kinase 2-associated protein 2;CDK2-associated protein 2;DOC-1-related protein;DOC-1R;CDK2AP2;DOC1R;p14
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Thr126
Accession	O75956
Calculated Molecular Weight	14.1 kDa
Observed molecular weight	26 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

CDK2AP2; also known as DOC1R; is short for cyclin-dependent kinase 2-associated protein 2. The gene CDK2AP2

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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-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.

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