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Product datasheet for TP501381

Cdkn2c (NM_007671) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cyclin dependent kinase inhibitor 2C (Cdkn2c), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201381 protein sequence Red=Cloning site Green=Tags(s) MAEPWGNELASAAARGDLEQLTSLLQNNVNVNAQNGFGRTALQVMKLGNPEIARRLLLRGANPNLKDGTG FAVIHDAARAGFLDTVQALLEFQADVNIEDNEGNLPLHLAAKEGHLPVVEFLMKHTACNVGHRNHKGDTA FDLARFYGRNEVISLMEANGVGGATSLQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	18.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_031697
Locus ID:	12580
UniProt ID:	Q60772, Q9D153
RefSeq Size:	1134
Cytogenetics:	4 51.32 cM

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RefSeq ORF: 507

Synonyms: C77269; INK; INK4c; p1; p18; p18-INK4c; p18-INK6; p18IN; p18INK4c

Summary: The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase (cdk) inhibitors, and contains five ankyrin repeats. This protein interacts with both Cdk4 and Cdk6 to inhibit their kinase activities, and prevent their interactions with D-type cyclins, thereby negatively regulating cell division. This gene is differentially expressed in a variety of tissues, and is cell cycle regulated. Deletion of this gene can lead to tumor growth. Maximal expression is observed at the G2/M phase. Alternative splicing and promoter usage results in multiple transript variants. [provided by RefSeq, Aug 2014]