

CDK5, 1-292 aa, Human, His tag, E.coli

Cat.NO.: TP01562

3th Edition

Synonyms:Cyclin-dependent kinase 5, PSSALRE

Description:CDK5, also known as cell division protein kinase 5, is a member of the cyclin-dependent kinase family. It is required for proper development of the brain and to be activated, CDK5 must associate with CDK5R1 or CDK5R2. Unlike other cyclin dependent kinases, it does not also require phosphorylation on the T loop so that binding with the activator is sufficient to activate the kinase.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

Molecular Weight:35.8 kDa(316aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMQYKLEKIGEGTYGTVFKAKNRETHEIVALKRVRLLDDDEGVPSSALRE
ICLLKELKHKNIVRLHDVLHSDKKLTLVFEFCDQDLKKYFDSCNGDLDP EIVKSFLFQLLKGLGFCHSRNVLHRDLKP
QNLLINRNGELKLADFGLARAFGIPVRCYSAEVLWYRPPDVLFGAKLYSTSIDMWSAGCIFAELANAGRPLFPGN
DVDDQLKRIFRLLGTPTEEQWPSMTKLPDYKPYMPATTSLVNVPKLNATGRDLLQNLLKCNPVQRISAEELQ
HPYFSDFCPP

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.