

CDK16, 158-496 aa, Human, His tag, E.coli

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3th Edition

Synonyms:Cyclin-dependent kinase 16 isoform 1, PCTAIRE, PCTAIRE1, PCTGAIRE, PCTK1

Description:Cyclin-dependent kinase 16 isoform 1, also known as CDK16, belong to the CDK family of serine/threonine protein kinases. These proteins have a core kinase domain flanked by unique amino- and carboxy-terminal domains. CDK proteins are known to regulate the cell cycle. CDK16, which is expressed primarily in mammalian brain, interacts with a variety of proteins, and is thought to be part of a multiple signal transduction cascade. Recombinant human CDK16 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol

Molecular Weight:41.1 kDa (362aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSGFGKLETYIKLDKLGEGTYATVYKGKSKLTDNLVALKEIRLEHEEGAPCTAIR
EVSLLKDLKHANIVTLHDIIHTEKSLTLVFEYLDKDLKQYLDDCGNIINMHNVKLFLFQLLRGLAYCHRQKVLHRDLKP
QNLLINERGELKLADFGLARAKSIPTKYSNEVVTLWYRPPDILLGSTDYSTQIDMWGVGCIFYEMATGRPLFPGST
VEEQLHFIFRILGTPTEETWPGILSNEEFKTYNYPKYRAEALLSHAPRLDSDGADLLTKLLQFEGRNRI SAEDAMKHP
FFLSLGERIHKLPDTSIFALKEIQLQKEASLRSSSMPDSGRPAFRVVDTEF

Purity:> 95% by HPLC

Concentration:1mg/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.