

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

**Cat.NO.: TP01555**

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:**

MGSSHHHHHSSGLVPRGSHMGSGFGKLETYIKLDKLGEPTYATVYKGKSKLTDNLVALKEIRLEHEEGAPCTAIR  
EVSLKDLKHANIVTLHDIIHTEKSLTLVFEYLDKDLKQYLDDCGNIINMHNVKLFLFQLLRGLAYCHRQKVLHRDLKP  
QNLLINERGERLADFLARAKSIPTKTYSNEVVTWYRPPDILLGSTDYSTQIDMWGVGCIFYEMATGRPLFPGST  
VEEQLHFIFRILGTPTEETWPGILSNEEFKTYNYPKYRAEALLSHAPRLSDGADLLTKLLQFEGRNRISAEDAMKHP  
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.